METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

CONTINUAL ASSESSMENT 2014
PRIMARY 4
MATHEMATICS

Total Time

Section A : 10 minutes

Section B to D: 1 h

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4._____

Date : 4 March 2014

/ 50

This booklet consists of 12 printed pages including this page.

Section B

Questions **11** to **15** carry 1 mark each. Questions **16** to **20** carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(15 marks)

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11 24 803 = 20 000 + 4000 + $\boxed{}$ + 3

What is the missing number in the box?

(1) 8
(2) 80
(3) 800
(4) 8000

12 What is the **closest** estimate of 594 x 81?

(1) 500 x 80
(2) 500 x 90
(3) 600 x 80
(4) 600 x 90

13 What is the first **common** multiple of 3 and 9?

(1) 1
(2) 3
(3) 9
(4) 27

14 20 x 42 has the same value as _____.

(1) 20 x 1 + 20 x 40
(2) 20 x 2 + 20 x 40
(3) 42 x 2 + 42 x 0
(4) 42 x 2 + 42 x 10

15 The table below shows the number of rotten apples in each box.

Number of rotten apples in each box	0	1	2	3	4
Number of boxes	30	35	10	40	20

How many boxes contain **at least** 2 rotten apples?

(1) 10
(2) 70
(3) 75
(4) 135

16 How many **common** factors do 6 and 36 have?

(1) 1
(2) 2
(3) 3
(4) 4

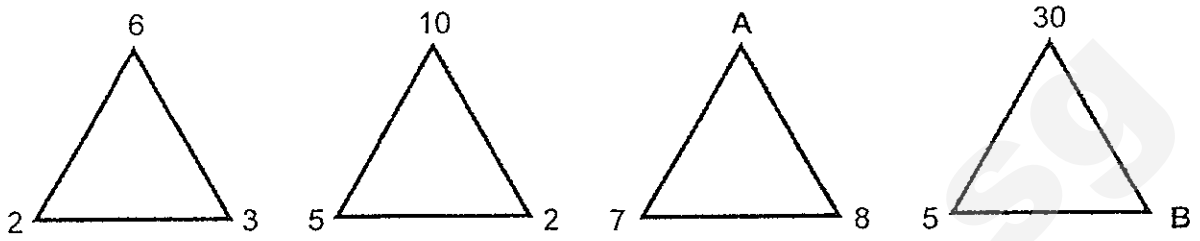
17 What is the **sum** of the 2nd multiple of 8 and the 4th multiple of 10?

(1) 16
(2) 24
(3) 40
(4) 56

18 In 54 890, what is the **sum** of the value of the digits 4 and 9?

(1) 13
(2) 130
(3) 4090
(4) 4900

19 What are the values of A and B?



(1) A = 20, B = 2
(2) A = 20, B = 6
(3) A = 56, B = 2
(4) A = 56, B = 6

20 Sharon bought 1 bag and 6 blouses. The bag cost 3 times as much as a blouse. She paid $252 in total. How much did the bag cost?

(1) $28
(2) $36
(3) $84
(4) $189

Section C

Questions **21** to **24** carry 1 mark each. Questions **25** to **29** carry 2 marks each. Write your answers in the space provided. For questions which require units, give your answers in the units stated. (14 marks)

---

21 A number when rounded off to the nearest ten is 2040.
What is the **largest** possible number?

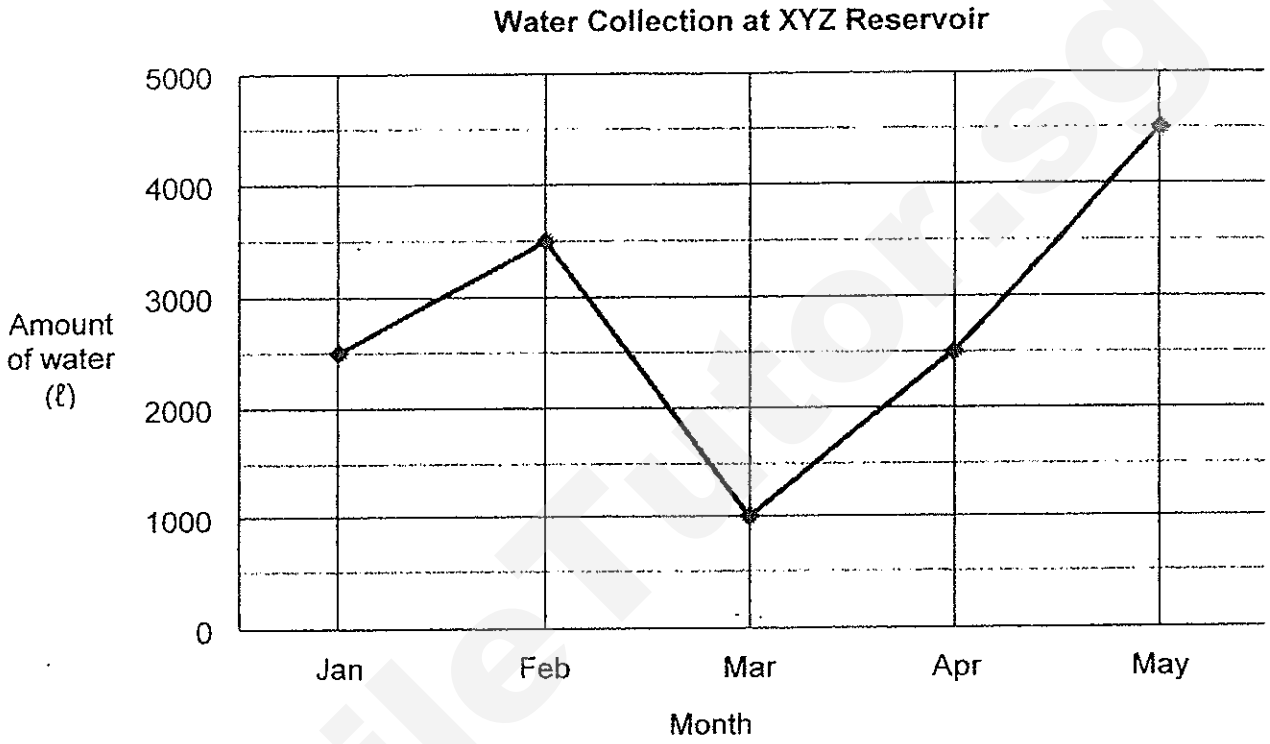
Ans: _____

22 Find the value of 5300 ÷ 5.

Ans: _____

For questions **23** to **24**, refer to the line graph below.

The graph below shows the amount of water collected at XYZ Reservoir over five months.



23 What was the total amount of water collected in February?

Ans: _____

24 During which 1-month interval was the increase in amount of water collected the **greatest**?

Ans: From _____ to _____

25 What is the missing number in the given number pattern?

85 212, 87 262, _____ 91 362, 93 412

Ans: _____

26 A store sells beads in packets of 100. Rita needs 2890 beads for her art project. What is the **smallest** number of packets of beads that Rita needs to buy?

Ans: _____

27 Mrs Tan distributed 63 blue pens equally among her students and had none left. She then distributed 35 green pens equally among them and also had none left. What is the **largest** possible number of students?

Ans: _____

28 A factory produced 38 600 toys in October.
Every month, it produces 2500 more toys than the previous month.
How many toys will it produce in December?

Ans: _____

29 The data below represents the grades of 30 pupils in a Mathematics test.

A	B	B	C	C	C
B	C	C	D	C	D
D	B	A	B	B	C
C	B	D	C	D	C
C	D	B	B	B	C

(a) Complete the table below.

GRADES	TALLY	NUMBER OF PUPILS
A		2
B		10
C		
D		6

(b) How many pupils scored below Grade B?

Ans: _____

Section D

For questions **30** to **33**, show your working clearly and write your answers in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (16 marks)

---

30 Mrs Ng spent $2518 on a television, a DVD player and a mobile phone.
The television cost $898 more than the DVD player.
The mobile phone cost three times as much as the DVD player.
What was the cost of the mobile phone?
Round off your answer to the nearest ten dollars.

Ans: _____ [4]

31 Mr Tan bought 2814 apples and pears.
There were as many apples as pears.
250 apples were rotten so he threw them away.
He sold 197 apples and packed the rest equally into bags of 5.
How many bags of apples did Mr Tan have?

Ans: _____ [4]

32 Peter had $1800.
After he gave $400 to John, he had twice as much money as John.
How much money did John have at first?

Ans:_____ [4]

33 Sean has fewer than 50 books.
If he packs 7 books into each box, he will have 6 extra books.
If he packs 8 books into each box, he will have 2 extra books.
How many books does he have?

Ans:_____ [4]

End of Paper

Methodist Girls' School
Primary 4 CA1 2014 Mathematics
4 March 2014

Name: _____ ( ) Class: P4.

Section A : Mental Sums (5 marks)

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

10 _____

EXAM PAPER 2014
LEVEL : PRIMARY 4
SCHOOL : MGS
SUBJECT : MATHS
TERM : CA1

Section A: Mental sum (No questions available)

Section B:

Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	3	3	2	2	4	4	3	4	3

Section C:

Q21 2044
Q22 1060
Q23 3500ℓ
Q24 April and May
Q25 89312
Q26 29
Q27 7
Q28 43600
Q29 (a) 卌 卌 || (12)

(b) 18

Section D

Q30 $2518 – $898 = $1620
$1620 ÷ 5 = $324
$324 x 3 = $972
$972 ≈ **$970** (nearest ten dollar)

Q31 2814 ÷ 2 = 1407
1407 – 250 -197 = 960
960 ÷ 5 = **192**

Q32 $1800 – $400 = $1400
2 unit → $1400
1 unit → $700
$700 – $400 = **$300**

Q33

7	:	7	14	21	28	35	42	49
+6	:	13	20	27	**34**	41	48	55
8	:	8	16	24	32	40	48	
+2	:	10	18	26	**34**	42	50	

He has 34 books.

Rosyth School
Topical Test 2014
Mathematics
Primary 4

Total ___ / 40

Name: _____

Class: **Pr 4-**_____ Register No. ___ Duration: **55 minutes**

Date: **28th February 2014** Parent's Signature: _____

Instructions to Pupils:
1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts, Sections A, B and C.
4. ANSWER ALL THE QUESTIONS.
5. Check all answers carefully.

	Maximum	Marks Obtained
Section A	**10**	
Section B	**14**	
Section C	**16**	
Total	**40**	

* This paper consists of ___8___ pages altogether (including cover page).

SECTION A – (5 x 2 marks)
There are 5 questions in this section.
Read the questions carefully. Choose the correct answer.
Write its number 1, 2, 3 or 4 in the brackets provided.

1) In 13 085, the digit '8' stands for _____

(1) 8 (2) 80 ( )

(3) 800 (4) 8 000

2) Which of the following are factors of 63?

(1) 5 and 17 (2) 3 and 16 ( )

(3) 3 and 21 (4) 4 and 21

3) Which of the following is not a multiple of 8?

(1) 32 (2) 56

(3) 68 (4) 96 ( )

4) $7\frac{5}{6} = \frac{\boxed{?}}{6}$

What is the missing number in the box above?

(1) 35 (2) 41

(3) 42 (4) 47 ( )

5) Find the value of $1 - \frac{2}{9} - \frac{1}{3}$

(1) $\frac{4}{9}$ ( )

(3) $\frac{6}{9}$

SECTION B – (7 x 2 marks)
There are 7 questions in this section.
Read the questions carefully. Write your answer in the space provided.
Show ALL your workings clearly.

6a) Write seventy thousand and forty-five as a numeral.

b) In the number 45 801, the digit 8 is in the _____place.

7a) List the first five multiples of 9.

b) Express $\frac{26}{9}$ as a mixed number in its simplest form.

8) I am a multiple of 3.

One of my factors is 8.

I am greater than 60 but less than 80.

What number am I?

9) An even number is 900 when rounded off to the nearest hundred.

What is the greatest possible value of the even number?

10) A shirt costs $46.

How much will twelve shirts cost?

$

11) Mum spent $\frac{1}{2}$ of her money on a handbag, $\frac{1}{4}$ of her money on a pair of shoes and $\frac{1}{8}$ of her money on a wallet.
What fraction of her money did she spend altogether?

12) Lily works only on Saturday and Sunday. She is being paid $47 per day.

How much will she earn if she works for 6 weeks?

$

SECTION C – (4 x 4 marks)
There are 4 questions in this section.
Read the questions carefully.
Show all your working clearly and write your answer in the space provided at the end of each question.

13) Miss Penny bought 28 packets of sweets. Working

In each packet, there were 42 sweets.

She gave all her sweets to her students.

If each student received 7 sweets, how many students were there?

Ans: _____ (4)

14) Dominic has some stamps. Working

If he packs 5 stamps into each bag, he will have 2 extra stamps.

If he packs 8 stamps into each bag, he will need 3 more stamps.

What is the least number of stamps Dominic has?

Ans: _____ (4)

15) There were 54 passengers in a bus. Working

After 12 adults boarded the bus and 18 children alighted from the bus, there were thrice as many adults as children.

How many children were in the bus at first?

Ans: _____ (4)

16) Max paid $60 for a toy, a book and 3 pens. Working

The book costs $8 more than a pen.

The toy costs twice as much as a book.

a) What is the cost of a pen?

b) What is the cost of a toy?

Ans: a)_____ (3)

b)_____ (1)

-END OF PAPER-

Year: 2014

Level: Primary 4

School: Rosyth School

Subject: Mathematics

Semester: CA1

Section A:

Q1	Q2	Q3	Q4	Q5
2	3	3	4	1

Section B:

Q6) a) 70045

b) Hundreds

Q7) a) 9, 18, 27, 36, 45

b) 2 8/9

Q8) 72

Q9) 948

Q10) $552

Q11) 7/8

Q12) $564

Section C:

Q13) 42× 28 = 1176

1176-8 = 168

Ans: <u>168 students</u>

Q14) Multiple of 5: 5, 10, 15, 20, 25, 30, 35, 40, 45

(Multiple of 5) + 2: 7, 12, 17, 22, 27, 32, 37, 42, 47

Multiple of 8: 8, 16, 24, 32, 40, 48, 56, 64, 72

(Multiple of 8) – 3: 5, 13, 21, 29, 37, 45, 53, 61, 69

Common number is 37.

Therefore, answer is 37.

15) 54 + 12 = 66

66 – 18 = 48

48 ÷ 4 = 12

12 + 18 = 30

Ans: 30 children

16) a) Cost of 6 pens → 60 – 8 – 8 – 8 = 36

Cost of a pen → 36 ÷ 6 = 6

Ans: $6

b) Cost of a book → 6 + 8 = 14

Cost of a toy → 14 × 2 = 28

Ans: $28

NAN HUA PRIMARY SCHOOL
CONTINUAL ASSESSMENT 2 – 2014
PRIMARY 4

MATHEMATICS

Total Time : 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions and show your workings clearly.

Marks Obtained

Section	Maximum Marks	Actual Marks
A	40	
B	40	
C	20	
Total	100	

Name: _____ ( )

Class: P 4 _____

Date : 25 August 2014

Parent's signature: _____

SECTION A (20 x 2 marks)
Questions 1 to 20 carry 2 marks each.
Of the four options given, only one is correct. Choose the correct answer (1, 2, 3 or 4) and write its number in the brackets provided.

1. The first common multiple of 6 and 9 is _____.

   (1) 12

   (2) 18

   (3) 36

   (4) 54 ( )

2. There are _____ hundreds in 23 000.

   (1) 2 300

   (2) 230

   (3) 23

   (4) 0 ( )

3. A number when divided by 16 gives a quotient of 579 and a remainder of 3. What is the number?

   (1) 1 753

   (2) 9 216

   (3) 9 264

   (4) 9 267 ( )

4. In which one of the following numbers does the digit '4' stand for 4 hundredths?

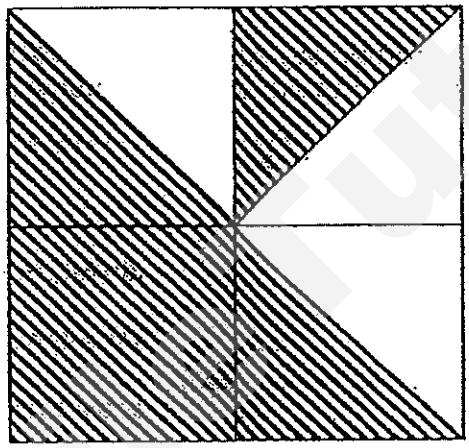
(1) 451 7

(2) 84.62

(3) 76.54

(4) 29.43 ( )

5. What fraction of the figure below is shaded?



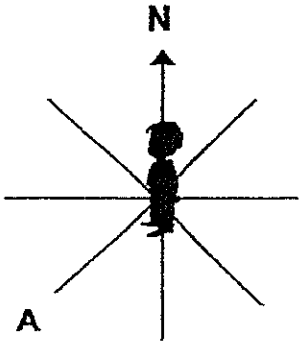
(1) $\frac{3}{8}$

(2) $\frac{5}{8}$

(3) $\frac{3}{4}$

(4) $\frac{4}{5}$ ( )

Use the 8-point compass shown below to answer Questions 6 and 7.



6. Ahmad is facing the direction that is marked with the letter **A**.
Name the direction that Ahmad is facing.

(1) North-east

(2) North-west

(3) South-east

(4) South-west ( )

7. From where Ahmad is facing, he then turns 135° in the anti-clockwise direction.
Which direction will Ahmad be facing now?

(1) North

(2) South

(3) East

(4) West ( )

8. How many sixths are there in $7\frac{1}{3}$?

(1) 21

(2) 22

(3) 42

(4) 44 ( )

9. What is the missing number in the following number pattern?

938 , _____ , 1 238 , 1 538 , 1 938

(1) 1 338

(2) 1 138

(3) 1 038

(4) 948 ( )

10. How much **more** is $\frac{7}{8}$ than $\frac{1}{4}$?

(1) $\frac{6}{4}$

(2) $\frac{5}{8}$

(3) $\frac{3}{4}$

(4) $\frac{1}{8}$ ( )

11. Find the difference between the values of the digit '7' in the numbers 2.307 and 1.7

(1) 0.607

(2) 0.693

(3) 0.707

(4) 0.770 ( )

12. Which of the following fraction is **not** equivalent to $\frac{2}{3}$?

(1) $\frac{4}{6}$

(2) $\frac{6}{9}$

(3) $\frac{9}{12}$

(4) $\frac{10}{15}$ ( )

13. A rectangle has a perimeter of 60 cm. If the length of the rectangle is 4 times its breadth, what is its breadth?

(1) 15 cm

(2) 12 cm

(3) 10 cm

(4) 6 cm ( )

14. Which of the following set of letters has parallel and perpendicular lines for both letters?

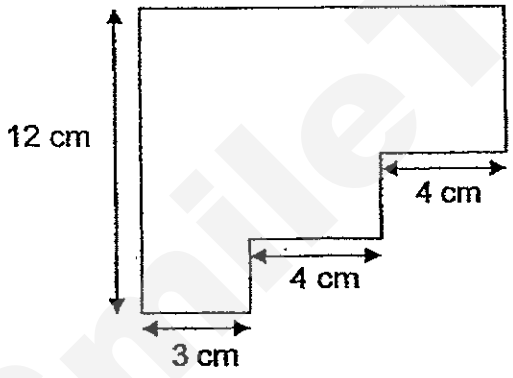
(1) L , T

(2) A , K

(3) F , H

(4) M , Z ( )

15. Find the perimeter of the figure below.
(The figure is not drawn to scale)



(1) 46 cm

(2) 35 cm

(3) 34 cm

(4) 23 cm ( )

16. Mrs Tan paid \$6.50 for a fish that has a mass of 2 kg.
How much did Mrs Wong pay for a similar type of fish that has a mass of 5 kg?

(1) \$32.50

(2) \$19.50

(3) \$16.25

(4) \$13.00 ( )

17. Which of the following number is greater than 8.01 but smaller than 8.02?

(1) 8.021

(2) 8.012

(3) 8.002

(4) 8.001 ( )

18. Alan uses a piece of wire of length 48 cm to bend into a square.
What is the area of the square?

(1) 12 cm^2

(2) 24 cm^2

(3) 144 cm^2

(4) 192 cm^2 ( )

19. 3 similar chairs and 2 similar tables cost $400.
1 such table and 1 such chair cost $190.
What is the cost of 1 such chair?

(1) $95

(2) $80

(3) $70

(4) $20 ( )

20. A box containing 8 similar bowls has a total mass of 380.32 g.
If each bowl has a mass of 44.6 g, find the mass of the box.

(1) 23.52 g

(2) 36.52 g

(3) 42.25 g

(4) 47.54 g ( )

SECTION B (20 x 2 marks)

Questions 21 to 40 carry 2 marks each.

Write the correct answers for the following questions in the blanks provided.

Show your workings clearly and give your answers in the units provided.

Do not write in this space

21. Write 34 ones, 6 tenths and 12 hundredths in numerals.

s: _____

22. Express $\frac{65}{100}$ as a decimal.

Ans: _____

23. Arrange these numbers in **ascending** order.

$2\frac{1}{4}$; 2.205 , 2.075 , $2\frac{3}{4}$

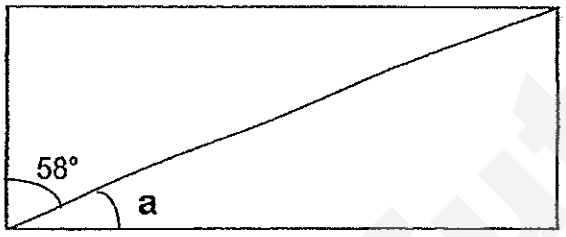
Ans: _____ , _____ , _____ , _____

24. In 123.095, the value of the digit '9' is in the _____ place.

Do not write in this space

Ans: _____

25. The figure below is a rectangle (not drawn to scale).
Find the angle marked ***a***.



Ans: _____°

26. Express 1.75 as a mixed number in its simplest form.

Ans: _____

Do not write in this space

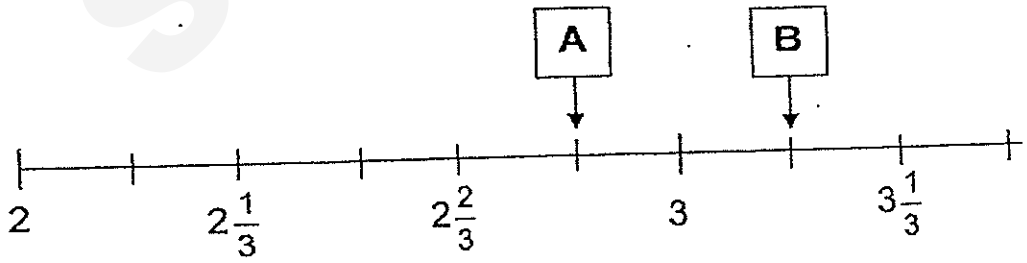
27. List **all** the common factors of 15 and 25.

Ans: The common factors are _____.

28. Round off the product of 7 548 and 6 to the nearest hundred.

Ans: _____

29. What mixed number does each letter represent? Give your answers in the simplest form.



Ans: **A:** _____

B: _____

30. Subtract 24.868 from 438.22.
Round off your answer to the nearest tenth.

Do not write in this space

Ans: _____

31. Mrs Shanti made 546 chocolate and butter cookies.
She made twice as many chocolate cookies as butter cookies.
How many chocolate cookies did she make?

Ans: _____ chocolate cookies

32. Bryan wants to give out lollipops to his party guests. If he gives each guest 5 lollipops, he will have 9 lollipops left. If each guest is to receive 6 lollipops, he will be short of 3 lollipops.
How many lollipops does he have?

Ans: _____ lollipops

Do not write in this space

33. Selina bought 4.2 kg of grapes.
Matthew bought 2.5 kg less than Selina.
How many kilograms of grapes did both of them buy?

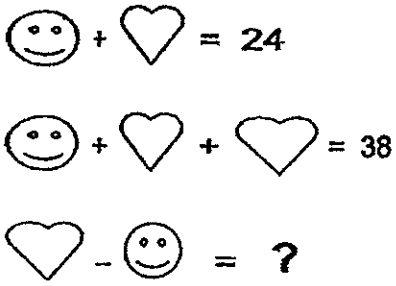
Ans: _____ kg

34. Charmaine had 25.90 m of ribbon. She used 3.5 m to wrap a parcel and gave 12.75 m to her sister. What was the length of ribbon she had left?

Ans: _____ m

35. Olivia paid $4.50 for 5 similar hair clips.
How much did she pay for 3 such hair clips?

Ans: $_____

36. 

What is the missing number ?

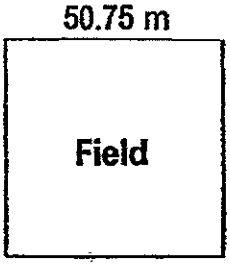
Ans: _____

Do not write in this space

37. Mr Wong was paid $1.20 for every kilogram of old clothes he contributed. How much would he get if he contributed 9 kg of old clothes?

Ans: $ _____

38. The length of a square field was 50.75 m.
Julian ran 2 times round the field.
What was the distance covered by Julian?



Ans: _____m

Do not write in this space

39. A file costs twice as much as a pen.
If 3 such pens and 2 such files cost $31.85, find the cost of 1 file.

Ans: $_____

40. Raja bought 9 apples at the price of 3 for $2.20.
He paid the cashier with a $100 note.
How much change would he receive?

Ans: $ _____

Section C (5 x 4 marks)

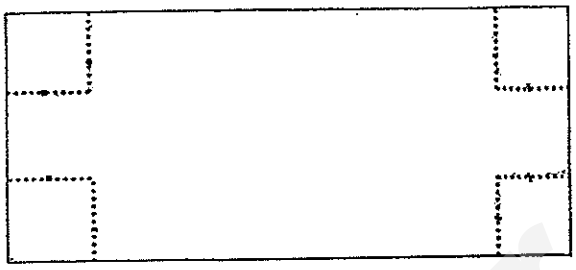
Do the following sums carefully. All statements and workings must be clearly shown. All units must also be stated clearly.

Do not write in this space

41. Mrs Siti was paid $2 for every bag sold and an extra $3 for every 10 bags sold. How much would she get if she sold 80 such bags?

42. Muthu had a sum of money. He spent $\frac{1}{8}$ of it on transport and had $63 left. How much money did he have at first ?

43. The leght of rectangle in the diagram below is twince its breadth.
4 square corners of side 3 cm are cut out from the rectangle.
If the breadth is 8 cm. What is the perimeter of the remaining figure?
(The diagram is not drawn to scale).



Do not write in this space

44. During a supermarket sale, apples were sold at 3 for $4.65 and oranges were sold at 5 for $3.55.
What was the total amount that Mrs Wong had to pay if she bought 15 such apples and 5 such oranges?

Do not write in this space

45. Alicia has $63 less than Belinda. Belinda has $18 more than Carol. If they have $354 altogether, how much money does Alicia have?

End of Paper
Remember to check your work carefully!

NAN HUA PRIMARY SCHOOL

CONTINUAL ASSESSMENT 2 2014

PRIMARY 4 MATHEMATICS

1) 2

2) 2

3) 4

4) 3

5) 2

6) 4

7) 3

8) 4

9) 3

10) 2

11) 2

12) 3

13) 4

14) 3

15) 1

16) 3

17) 2

18) 3

19) 4

20) 1

21) 34.72

22) 0.65

23) 2.075, 2.205, 2/1/4, 2/3/4

24) Hundredths

25) 32°

26) 1/3/4

27) 1, 5

28) 45 300

29) A : 2/5/6, B : 3/1/6

30) 413.4

31) 546/3 = 182

182 X 2 = 364 chocolate cookies

32) 9+3 = 12

6-5 = 1

12/1 = 12 guests

12X5 = 60

60+9 = 69 lollipops

33) 4.2kg-2.5kg = 1.7 kg

4.2kg+1.7kg = 5.9 kg

34) 25.9m-3.5m-12.75m = 9.65 m

35) 5 hair clips --> $4.50

3 hair clips --> 3/5 X $4.50 = $2.70

36) 38-24 = 14

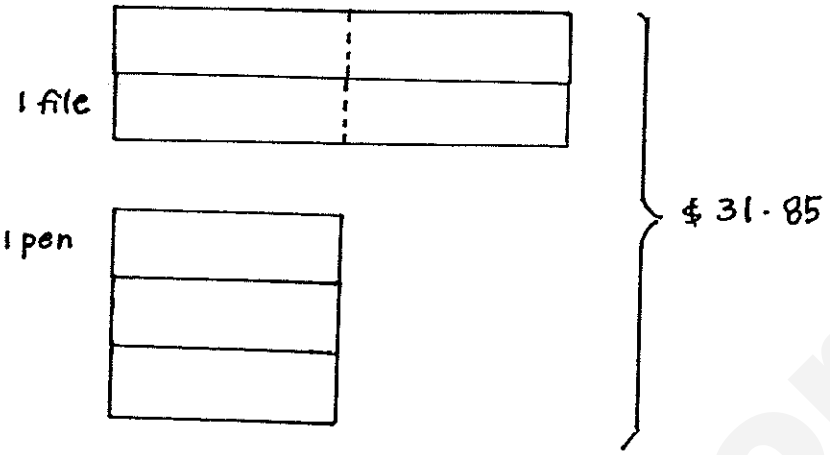
24-14 = 10

14-10 = 4

37) $1.20X9 = $10.80

38) 50.75m X 4 X 2 = 406 m

39)



$31.85/7 = $4.55

$4.55X2 = $9.10

40) $2.20X3 = $6.60

$100-$6.60 = $93.40

41) $2X10 = $20

$20+$3 = $23 (1 set of 10 bags)

80/10 = 8 (sets)

$23X8 = $184

42) 8u-1u = 7u

$63/7 = $9

$9X8 = $72 at first

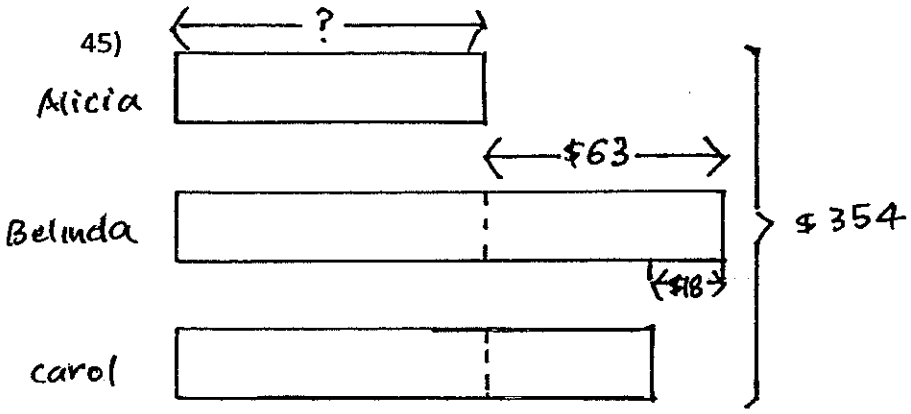
43) 8cmX6 = 48 cm

44) 15/3 = 5 sets of apples

$4.65X5 = $23.25

$23.25+$3.55 = $26.80

45)



$354+$18-$63-$63 = $246

$246/3 = $82

Rosyth School
Second Continual Assessment 2014
Mathematics
Primary 4

Total ____ / 40

Name: _____

Class: Pr 4-_____ Register No. _____ Duration: 55 min

Date: 20th Aug 2014 Parent's Signature: _____

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts, Sections A, B and C.
4. ANSWER ALL THE QUESTIONS.

	Maximum	Marks Obtained
Section A	10	
Section B	14	
Section C	16	
Total	40	

This paper consists of 10 pages altogether (including the cover page).

Section A (10 marks)
For questions 1 to 5, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Write the correct answer (1, 2, 3 or 4) in the brackets provided. Each question carries 2 marks.

---

1. 3.06 is the same as _____ .

   (1) $\frac{306}{1000}$

   (2) $\frac{306}{100}$

   (3) $\frac{306}{10}$

   (4) $\frac{306}{1}$ ( )

2. Find the value of 4.81 – 2.94.

   (1) 1.87

   (2) 1.97

   (3) 2.13

   (4) 2.87 ( )

3. Find the product of 7 and 0.09.

   (1) 63

   (2) 6.3

   (3) 0.63

   (4) 0.063 ( )

4. $\frac{7}{9} \times 14 =$ _____

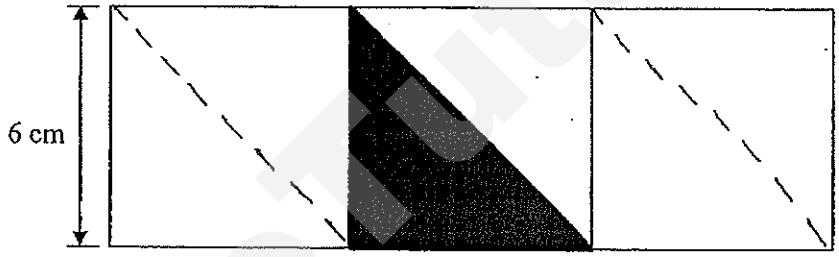
(1) $2\frac{1}{3}$

(2) $8\frac{2}{3}$

(3) $10\frac{8}{9}$

(4) $14\frac{7}{9}$

5.



The figure above is made up of 3 identical squares of side 6 cm. Find the unshaded area of the figure.

(1) 18 cm^2

(2) 36 cm^2

(3) 90 cm^2

(4) 108 cm^2

Section B (14 marks)

For questions 6 to 14, show your working clearly in the space below each question and write your answer in the answer boxes provided. Give your answers in the units stated. Questions 6 to 9 carries 1 mark and questions 10 to 14 carries 2 marks.

---

6. Express 1 098 tenths as a decimal.

7. 21.74 + 0.27 = _____.

8. Find the value of 56.97 ÷ 3.

9. Find the sum of $\frac{1}{2}$ and $\frac{3}{4}$. Give your answer in the simplest form.

10. Joey has 8 packets of sugar. Each packet contains 1.5 kg of sugar. How much sugar does Joey have?

kg

11. Jessica had 5.8 m of string. She used 0.56 m to tie a parcel and 0.93 m to tie a present. How much string was left?

m

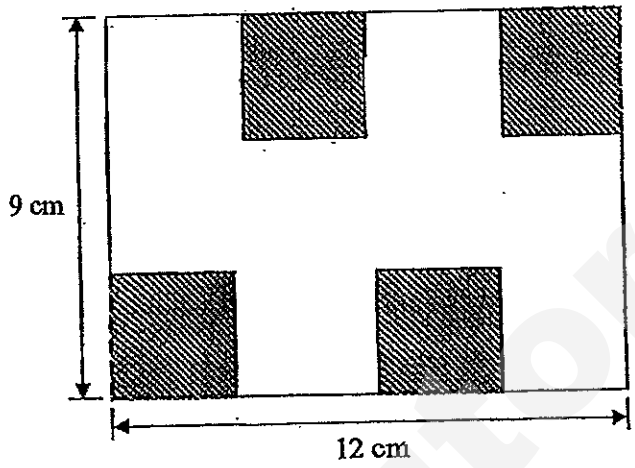
12. At a provision shop, bags of flour were sold at 2 for $3.60. Mrs Tan bought 10 such bags. How much did Mrs Tan pay?

$

13. A wire is 76.32 m long. If Jimmy cuts it into 9 equal pieces, what is the length of 1 piece?

m

14. Alicia had a rectangular piece of paper. She cut 4 identical squares of side 3 cm from the piece of paper to form the figure below. Find the perimeter of the figure.



cm

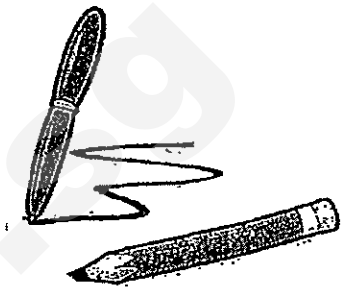
Section C (16 marks)
For questions 15 to 18, show your working clearly in the space below each question and write your answers in the blanks provided. The marks for each question or part question are given in the brackets.

---

15. Aaron jogged 2.65 km on Monday. He jogged 0.7 km more on Tuesday than on Monday. What was the total distance that he jogged on both days?

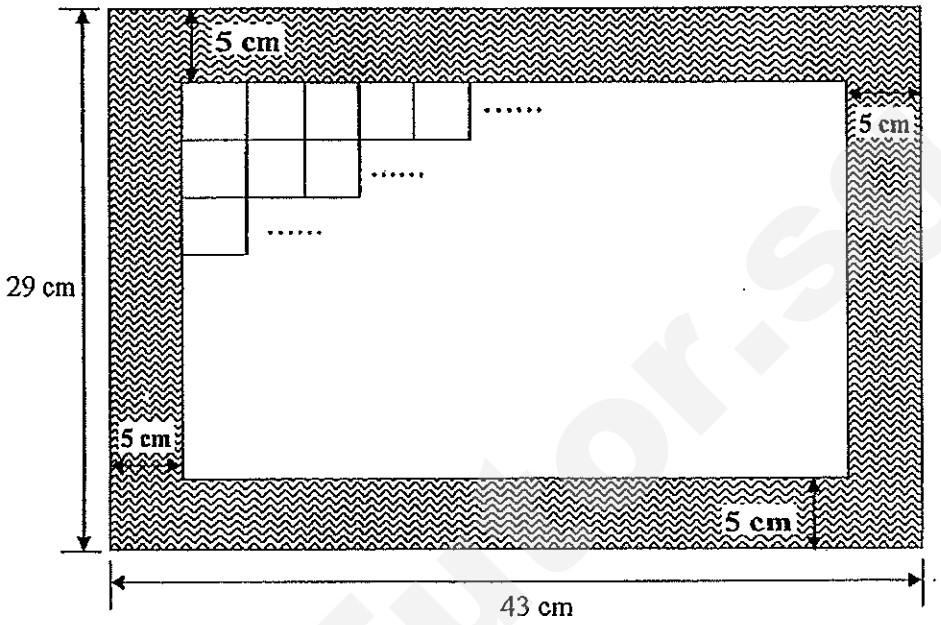
Answer: _____(4 m)

16. Andy bought 2 pens and a pencil for $5.50. Each pen cost twice as much as a pencil. How much would Andy have to pay if he bought 9 pencils instead?



Answer: _____(4 m)

17. Nuraini and Roy are making a card for their teacher for Teachers' Day using a cardboard as shown below. They place a border of width 5 cm around the sides of the cardboard.



a) What is the area within the border?

b) If they place messages written on 3 cm square pieces of paper within the border without each message covering the other, what is the maximum number of messages that can be placed in the space within the border?

Answer: (a)_____(2m)

(b)_____ (2m)

18. Benjamin had 4 times as much money as Arvin. After Arvin's mother gave him $21, the amount of money Benjamin had became $3 less than that of Arvin's. How much did Arvin have in the end?

Answer: _____(4 m)

~END OF PAPER~

Have you checked your work thoroughly?

Year: 2014

Level: Primary 4

School: Rosyth School

Subject: Mathematics

Semester: CA2

Section A:

Q1	Q2	Q3	Q4	Q5
2	1	3	3	3

Section B:

Q6) 109.8

Q7) 22.01

Q8) 18.99

Q9) 1 1/4

Q10) 12.0 kg

Q11) 4.31 m

Q12) $1800

Q13) 8.48 m

Q14) 54 cm

Section C:

Q15) 6.0 km

Q16) $9.90

Q17) a) 627 cm^2

b) 66 messages

Q18) $27

AI TONG SCHOOL

2014
MID-YEAR EXAMINATION
PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 12 May 2014

INSTRUCTIONS
Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name : _____ ( )

Class : Primary 4 _____

Marks :

Section A	/28
Section B	/40
Section C	/32
Total	/100

Parent's Signature : _____

Date : _____

Section A

Questions 1 to 14 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. **(28 marks)**

---

1 In the number 82 041, what is the place value of the digit 2?

(1) tens

(2) hundreds

(3) thousands

(4) ten thousands

2 Complete the number pattern.

33 625 , _____ , 32 605 , 32 095 , 31 585

(1) 33 115

(2) 33 125

(3) 34 125

(4) 34 135

3 Which of the following is a common factor of 12 and 16?

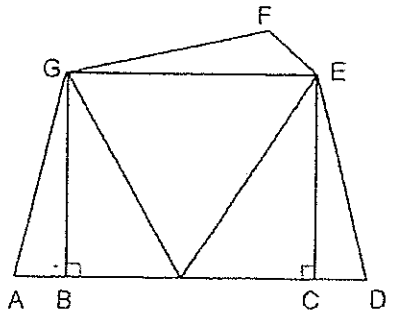
(1) 12

(2) 8

(3) 6

(4) 4

4 In the figure below, which line is parallel to BG?



(1) BC

(2) CE

(3) GF

(4) GE

5 When a number is divided by 7, it has a quotient of 378 and a remainder of 2. What is the number?

(1) 54

(2) 56

(3) 2646

(4) 2648

6 Which one of the following numbers is 4900 when rounded off to the nearest 100?

(1) 4809

(2) 4849

(3) 4940

(4) 4950

7 There were 1245 children at a camp site. Each tent could sleep 6 children. What is the **least** number of tents needed for all the children?

(1) 207

(2) 208

(3) 1239

(4) 7470

8 Express $6\frac{3}{8}$ as an improper fraction.

(1) $\frac{63}{8}$

(2) $\frac{51}{8}$

(3) $\frac{48}{8}$

(4) $\frac{26}{8}$

9 Sally used $\frac{5}{12}$ m of ribbon to tie her hair. She used a second piece which was $\frac{3}{4}$ m longer to decorate a present. How much ribbon did she use in all?

(1) $\frac{3}{4}$ m

(2) $1\frac{1}{6}$ m

(3) $1\frac{7}{12}$ m

(4) $1\frac{11}{12}$ m

10 David had 220 marbles left after giving $\frac{1}{5}$ of his marbles to his brother. How many marbles did he have at first?

(1) 44

(2) 176

(3) 275

(4) 1100

11 There are 24 boys and 16 girls in a class. $\frac{2}{3}$ of the boys and $\frac{1}{4}$ of the girls wear spectacles. How many more boys than girls wear spectacles?

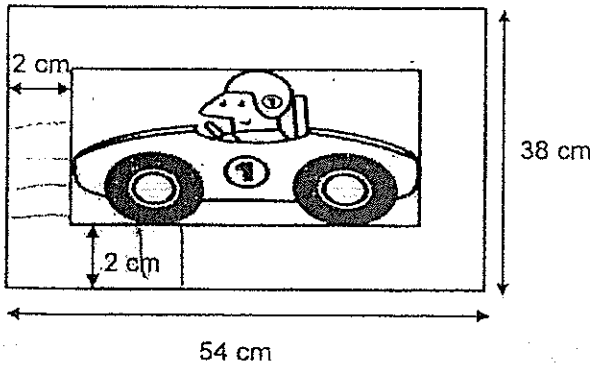
(1) 20

(2) 16

(3) 12

(4) 8

12 A rectangular cardboard measures 54 cm by 38 cm. A picture is mounted on it leaving a 2-cm wide border around the picture. Find the area of the picture.



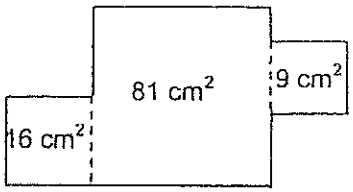
(1) 352 cm²

(2) 1700 cm²

(3) 1872 cm²

(4) 2052 cm²

13 The figure below is made up of 3 squares. A piece of wire is used to construct the outline of the figure. What is the length of wire used?



(1) 50 cm

(2) 57 cm

(3) 64 cm

(4) 106 cm

14 Kelly takes 4 minutes to jog 1 round on the track while Rachel takes 6 minutes to jog 1 round. Both of them started jogging round the track in the same direction and at the same time. How long would it take for them to meet each other for the first time at the starting point?

(1) 6 min

(2) 10 min

(3) 12 min

(4) 24 min

Section B

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

15 What is twenty thousands, one hundred and two ones in figures?

Ans: _____

16 Using the digits below, form the smallest 4-digit odd number.

4	3	7	0

Ans: _____

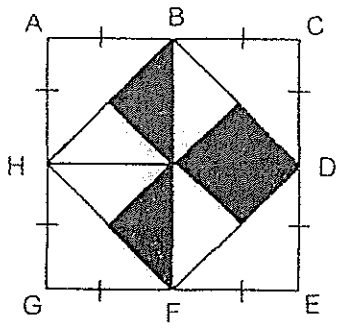
17 What are the first 2 common multiples of 3 and 4?

Ans: _____ and _____

18 What is the product of 63 and 24?

Ans: _____

19 The figure below is made up of a square ACEG. B, D, F and H are midpoints of AC, CE, EG and AG respectively. What fraction of the figure is shaded? (Express your answer in the simplest form.)



Ans: _____

20 Bob pays $1266 every 3 months to rent a room. How much does he pay to rent the room for a year?

Ans: $ _____

21 There are 9 Primary 4 classes in school XYZ. Each class has an equal number of pupils. Mrs Lim packed 792 sweets equally for each class. If every pupil gets 2 sweets, how many pupils are there in each of the Primary 4 class?

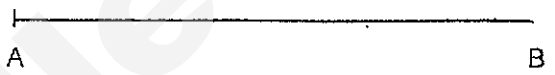
Ans: _____

6

22 At a concert, $\frac{5}{7}$ of the audience are adults and the rest are children. If there are 630 people at the concert, how many children are there?

Ans: _____

23 Using the given line AB below, construct and label ∠ABC such that ∠ABC = 67°.



24 4 years ago, Chloe's father was thrice as old as Chloe. Their total age is 68 years now. How old was Chloe 4 years ago?

Ans: _____ years old

6

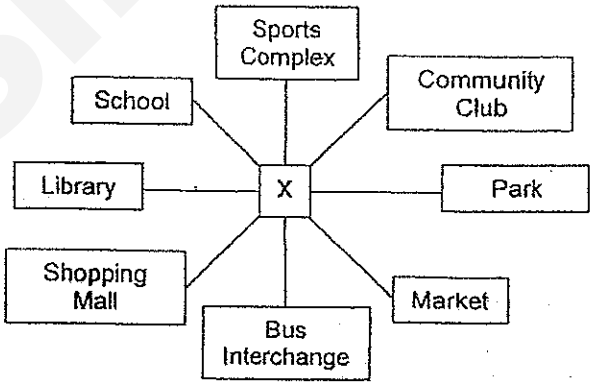
25 Mrs Rani mixed $\frac{3}{4}\ell$ of concentrated syrup with some water to make 4ℓ of drink. How much water did she use? Express your answer in its simplest form.

Ans: _____ ℓ

26 How many quarters are there in $2\frac{1}{4}$?

Ans: _____

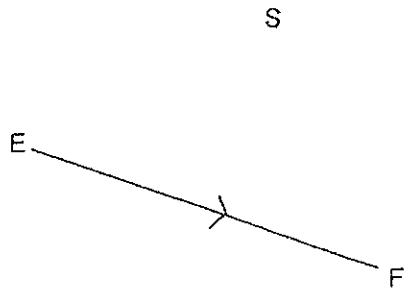
27 Clarice was standing at point "X" as shown in the diagram below. She made a 135° turn in an anti-clockwise direction and ended up facing the Bus Interchange. Where was she facing at first?



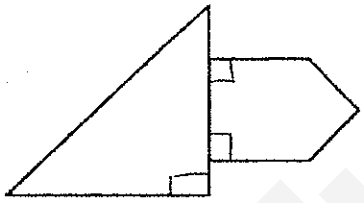
Ans: _____

6

28 In the space below, draw a straight line parallel to the line EF through the point S.

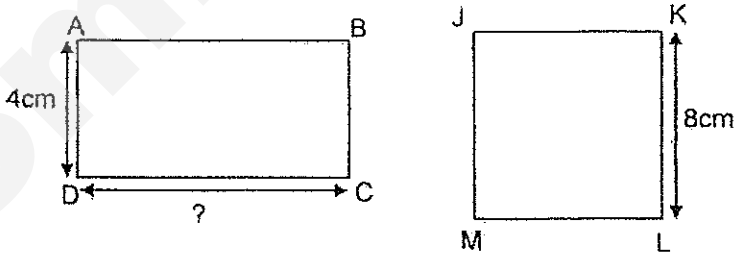


29 How many pairs of perpendicular lines are there in the figure below?



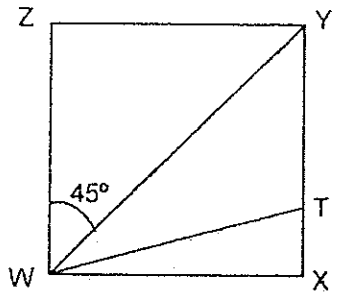
Ans: _____

30 The figures below are not drawn to scale. The area of the rectangle ABCD is equal to the area of the square JKLM. Find the length of CD.



Ans: _____cm

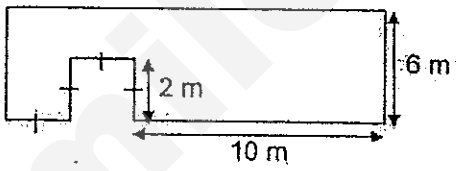
31 The figure below is not drawn to scale. WXYZ is a square. ∠YWZ is 45°. ∠TWY is 17° more than ∠TWX. Find the value of ∠TWX.



Ans: _____ °

---

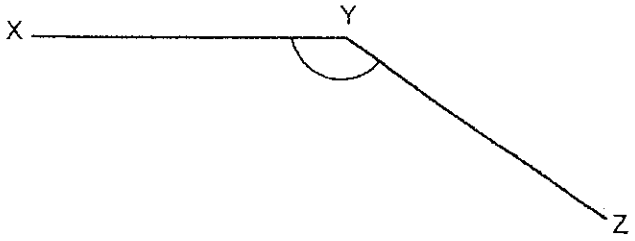
32 The figure below is not drawn to scale. A piece of wire was bent to form the following figure. What was the length of the wire?



Ans: _____ m

4

33 Using a protractor, measure and write down the size of ∠XYZ.



Ans: _____ °

34 Ahmad has some stickers. He gave half of the stickers to his brother and collected another 353 stickers. He now has 480 stickers. How many stickers did he have at first?

Ans: _____

4

Section C

Questions 35 to 38 carry 3 marks each. Questions 39 to 43 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. **(32 marks)**

---

35 The total cost of 3 similar dresses and 1 belt is $200. Each dress cost thrice as much as each belt. How much does a dress cost?

Ans: _____ [3]

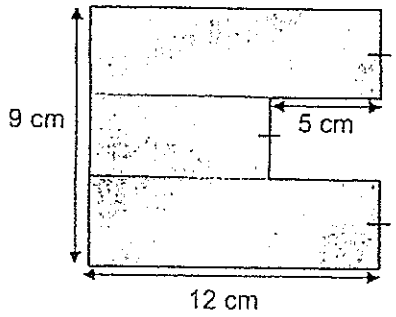
---

36 Mr Goh has between 20 kg and 40 kg of rice in a sack. If he packed them into bags of 4 kg each, he will not have any rice left. If he packed them into bags of 5 kg each, he will have 1 kg of rice left. Find the amount of rice in the sack.

Ans: _____ [3]

---

37 The figure below is not drawn to scale. All lines meet at right angles. Find the area of the shaded part.



Ans: _____ [3]

38 Muffins were sold in packets of 3. Each packet cost $4. Mrs Tan needed 50 muffins for a party. How much would it cost her to buy enough muffins for the party?

Ans: _____ [3]

39 Mr Lee has a rectangular plot of land with an area of 98 m^2. The breadth of the land is 7 m. Mr Lee wants to build a wooden fence around the perimeter of the land. The fence costs $40 per meter. How much does Mr Lee need to pay to build the fence?

Ans: _____ [4]

---

40 Maggie baked some cookies. She gave $\frac{1}{4}$ of the cookies to her friends and $\frac{1}{8}$ of them to her relatives. She had 210 cookies left. How many cookies did Maggie bake?

Ans: _____ [4]

8

41 Kate and Louise had a total of $2124 at first. After Kate spent $144 on a camera and Louise earned $200 from selling books during the holidays, both had the same amount of money. How much did Kate have at first?

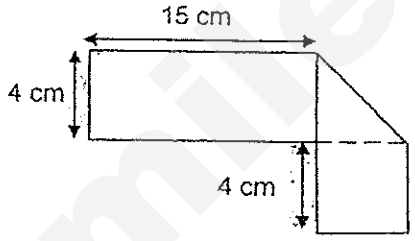
Ans: _____ [4]

---

42 The figure below is not drawn to scale. A rectangular piece of paper is folded to form the shape as shown below.

(a) What is the area of the rectangular piece of paper?

(b) What is the perimeter of the rectangular piece of paper?



Ans: (a) _____ [3]

(b) _____ [1]

8

43 There were 1248 magazines in a bookstore. During a promotion, every customer who bought 2 magazines got an additional magazine for free. After 128 customers bought 2 magazines each, the remaining magazines were packed equally into 9 boxes. How many magazines were there in each box?

Ans: _____ [4]

4

End-of-paper

Please check your work carefully.

Ai Tong School
Primary 4 – Mathematics
Mid Year – 2014
Answer Key

Section A:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	1	4	2	4	3	2	2	2	3
Q11	**Q12**	**Q13**	**Q14**						
3	**2**	**1**	**3**						

Section B:

Q15. 20102

Q16. 3047

Q17. 12 & 24

Q18. 1512

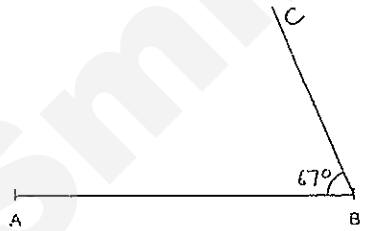
Q19. ¼

Q20. $5064

Q21. 44

Q22. 180

Q23. Construct and label angle ABC such that angle ABC = 67°



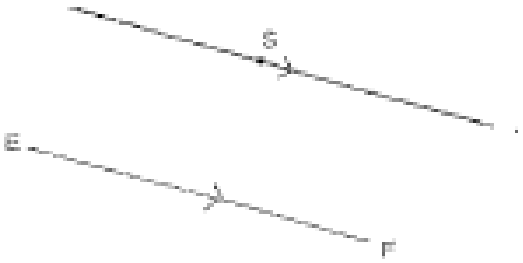
Q24. 15

Q25. 3 ¼

Q26. 9

Q27. School

Q28. Draw a straight line parallel to the line EF through the point S.



Q29. 4

Q30. 8 x 8 = 64
64 ÷ 4 = **16**

Q31. 45 – 17 = 28
28 ÷ 2 = **14°**

Q32. 6 + 6 = 12
10 + 10 = 20
2 x 4 = 8
8 + 14 = 22
20 + 12 + 12 = **44**

Q33. **145°**

Q34. 480 – 353 – 127
127 x 2 = **254**

Section C:

Q35. 220 ÷ 10 = 22
22 x 3 = 66

Q36. Multiples of 4: 4, 8, 12, 16, 20, 24, 28, 32, **36**
Multiples of 5: 5, 10, 15, 20, 25, 30, 35, 40
Mutliples of 5 + 1: 6,11,16,21,26,31,36,41
Ans: 36kg

Q37. Area of A: 12 x 3 = 36
Area of B: 7 x 3 = 21
Area of C: 12 x 3 = 36
Total area: 93 cm²

Q38. 50 ÷ 3 = 16 remainder 2
So packets - 16 + 1 = 17
17 x 4 = 68
Ans: $68

Q39. $98 \div 7 = 14$
$14 + 14 = 28$
$28 + 14 = 42$
$42 \times 40 = 1680$
Ans: $1680

Q40. 5 units → 210
1 unit → 42
8 units → $42 \times 8 = 336$
Ans: 336

Q41. 2 units → $2124 - 144 - 200 = 1780$
1 unit = $1780 \div 2 = 890$

$890 + 200 = 1090$
$1090 + 144 = 1234$
Ans: $1234

Q42.
a) $15 + 4 + 4 = 23$
$23 \times 4 = 92$
Ans: 92cm²

b) $23 + 4 = 27$
$27 \times 2 = 54$
Ans: 54cm

Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2014
MATHEMATICS
BOOKLET A
PRIMARY FOUR

Name: _____ ( ) Class: Primary 4 ___

Date: 9 May 2014 Duration of Booklets A & B: 1h 45min

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 8 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.

SECTION A - Multiple Choice Questions (30 MARKS)

Questions 1 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. The value of the digit 8 in 48 329 is _____

   (1) 8 tens

   (2) 80 tens

   (3) 800 tens

   (4) 8 000 tens

2. 9 x 10 000 + 3 x 1 000 + 7 x 100 + 5 x 1 = _____

   (1) 93 751

   (2) 93 750

   (3) 93 715

   (4) 93 705

3. 48 is not a multiple of _____.

   (1) 12

   (2) 14

   (3) 16

   (4) 24

4. Mrs Ang gave out 18 cupcakes and 24 cookies equally among her children. How many children does she have?

(1) 9

(2) 8

(3) 6

(4) 4

5. After giving away 7 brownies, Samantha had 5 brownies left. What fraction of her brownies did she give away?

(1) $\frac{2}{7}$

(2) $\frac{5}{7}$

(3) $\frac{5}{12}$

(4) $\frac{7}{12}$

6. A number, when divided by 7, gives a quotient of 122 and a remainder of 6. What is the number?

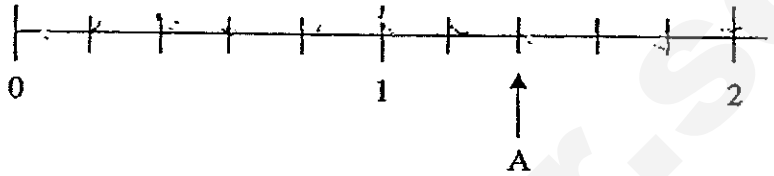
(1) 732

(2) 739

(3) 854

(4) 860

7. Which of the following mixed numbers is represented by the letter A in the number line shown?



(1) $1\frac{1}{2}$

(2) $1\frac{2}{5}$

(3) $2\frac{3}{5}$

(4) $2\frac{1}{2}$

8. Find the value of $\frac{5}{6}-\frac{1}{3}$

(1) $\frac{2}{3}$

(2) $\frac{4}{3}$

(3) $\frac{7}{6}$

(4) $\frac{1}{2}$

9. 18 037 rounded off to the nearest hundred is _____

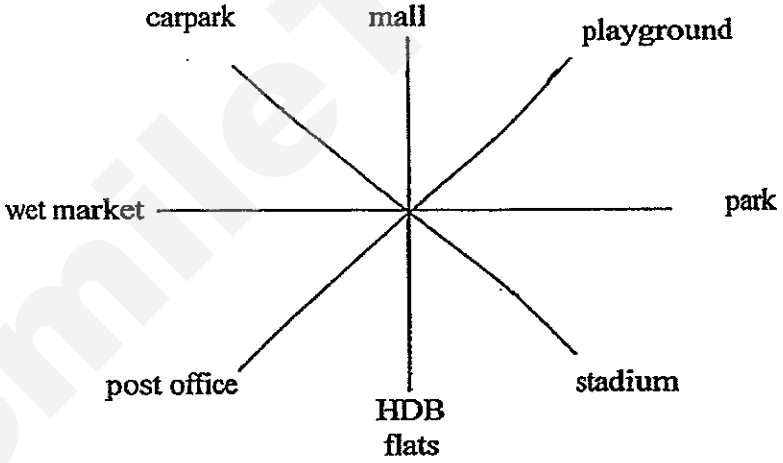
(1) 18 000

(2) 18 040

(3) 18 100

(4) 18 500

10. Tom is facing the stadium at the moment. If he turns 225° clockwise, he will be facing the _____



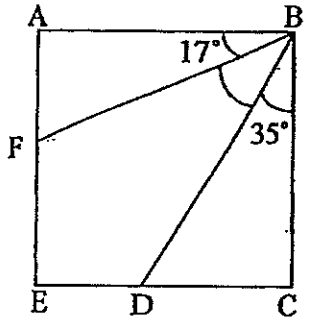
(1) post office

(2) mall

(3) playground

(4) wet market

11. The line AB is perpendicular to BC. Find ∠ABD.



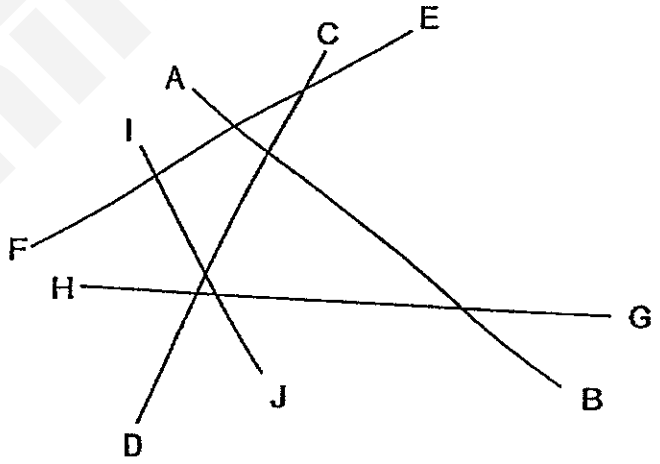
(1) 18°

(2) 38°

(3) 52°

(4) 55°

12. The figure below is made up of straight lines. Which two lines are perpendicular?



(1) AB and HG

(2) EF and IJ

(3) HG and CD

(4) EF and HG

13. The figure below shows Square A and Rectangle B. The length of Square A is 8 cm and the breadth of Rectangle B is 6 cm. If both the Square A and Rectangle B have the same perimeter, find the area of Rectangle B.

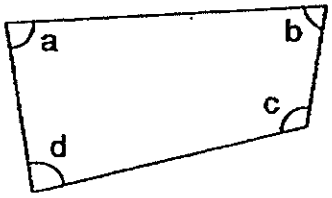
(1) 32 cm^2

(2) 48 cm^2

(3) 60 cm^2

(4) 64 cm^2

14. In the figure below, which angle is greater than a right angle?



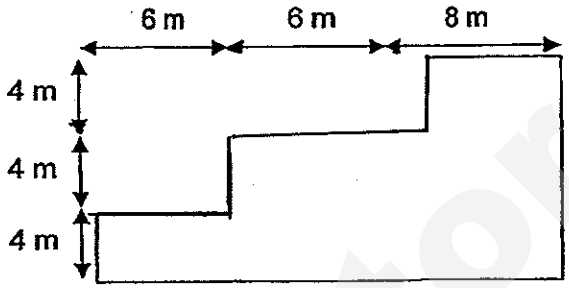
(1) $\angle a$

(2) $\angle b$

(3) $\angle c$

(4) $\angle d$

15. What is the area of the figure?



(1) 144 m^2

(2) 168 m^2

(3) 240 m^2

(4) 400 m^2

Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2014
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ ( ) Class: Primary 4___

Date: 9 May 2014 Duration of Booklets A & B: 1h 45min

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 17 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Setion	Maximum marks	Marks Obtained
A. Multiple-Choice Questions	30	
B. Short Answers	40	
C. Problem Sums	30	
Total Marks	100	

SECTION B - Short Answer Questions (40 Marks)

Questions 16 to 35 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

16. Write thirteen thousand, six hundred and four in figures.

Answer : _____

17. Given that ☼ x 8 = 5 632

Find the value of ☼

Answer : _____

18. Two factors of 39 are 1 and 39. What are the other factors of 39?

Answer : _____ and _____

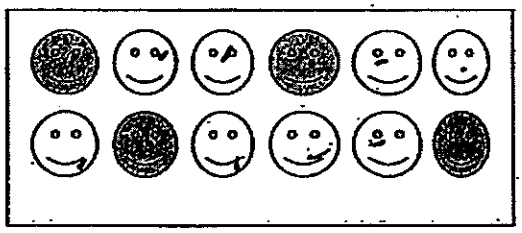
19. This year, Kate's age is a 2-digit multiple of 4. Next year, her age will be a multiple of 9. If Kate is less than 50 years old, how old is she this year?

Answer : _____

20. What is the value of $\frac{3}{4}+\frac{7}{8}$?
Express your answer as a mixed number.

Answer : _____

21. What fraction of the faces shown are shaded?
Give your answer in the simplest form.



Answer : _____

22. Arrange the following numbers from the greatest to the smallest.

31 486, 13 684 , 31 648, 13 846

Answer : _____ , _____ , _____ , _____
(*greatest*) (*smallest*)

23. What is the missing number in the box?

$$5\frac{2}{3} = \frac{\boxed{?}}{12}$$

Answer : _____

24. There were 154 chickens and ducks. $\frac{2}{7}$ of them were chickens and the rest were ducks. How many more ducks than chickens were there?

Answer : _____

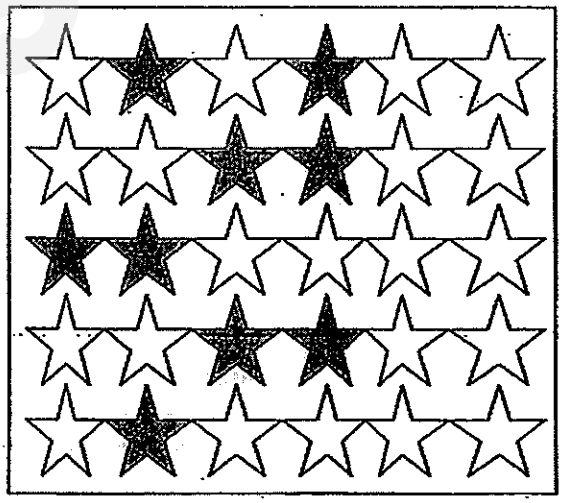
25. What fraction of 3 years is 15 months? Give your answer in its simplest form.

Answer : _____

26. Mrs Lee baked some cakes from Monday to Wednesday. Each day, she baked 10 more cakes as the day before. Over the 3 days, she baked 150 cakes. How many cakes did she bake on Monday?

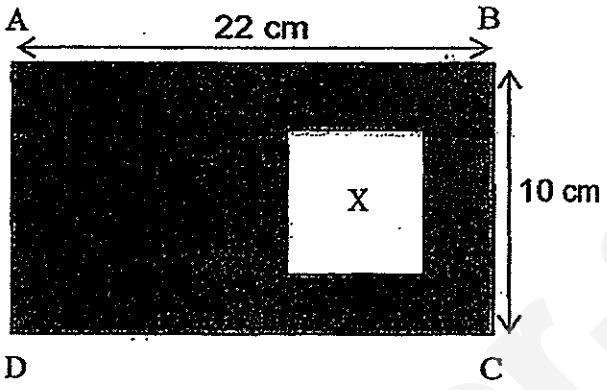
Answer : _____

27. The figure below shows 30 stars. 9 stars are shaded. If $\frac{7}{10}$ of all the stars are to be shaded, how many more stars need to be shaded?



Answer : _____

28. In the figure below, ABCD is a rectangle. AB = 22 cm and BC = 10 cm.
If the area of the shaded part of the figure is 184 cm^2, what is the length of the Square X?



Answer : _____cm

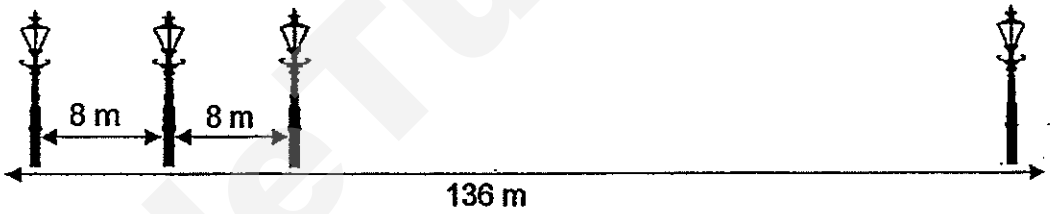
29. 1 kilogram of salmon costs \$136. How much would $\frac{3}{4}$ kilogram of salmon cost?

Answer : \$ _____

30. Dan bought some sweets. He gave $\frac{1}{4}$ of the sweets to Evan and $\frac{1}{8}$ of them to Fifi. If Dan gave 20 sweets to Evan, how many sweets did he give to Fifi?

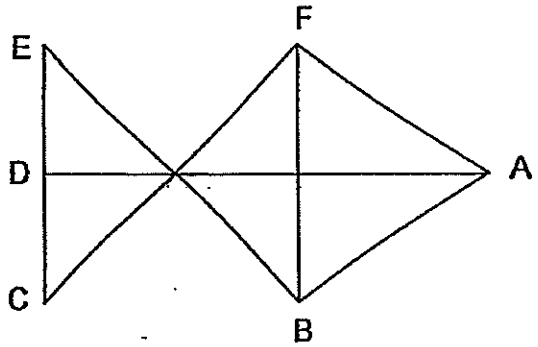
Answer : _____

31. Some lamp posts are planted in a row. The distance from the first lamp post to the last lamp post is 136 m. If the distance between one lamp post to the next lamp post is fixed at 8 m, how many lamps are there altogether?



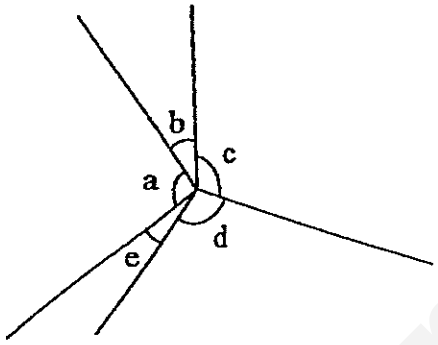
Answer : _____

32. One of the lines in the figure is parallel to CE.
Which line is parallel to CE?



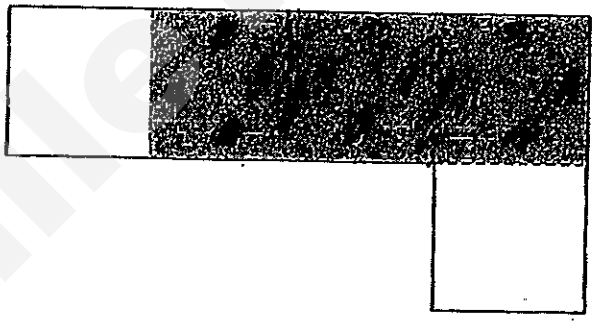
Answer : _____

33. In the figure below, name the two angles that are smaller than 90°.



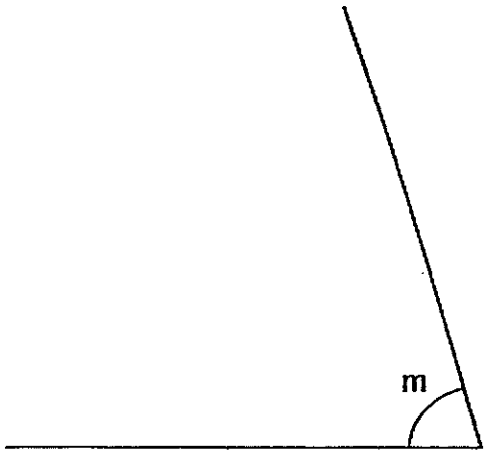
Answer : ∠ _____ and ∠ _____

34. The figure below is made up of a rectangle and 2 identical squares. The area of each square is 49 cm^2. If the area of the shaded rectangle is 105 cm^2, what is the perimeter of the figure?



Answer : _____ cm

35. Measure and write down the size of $\angle m$.



Answer : _____ ^{0}

SECTION C - Problem Sums (30 Marks)

For each question from 36 to 43, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenev possible. Marks awarded are shown in the brackets [ ].

36. Mr Tong wants to buy a total of 39 T-shirts for his pupils. Each T-shirt costs $17.

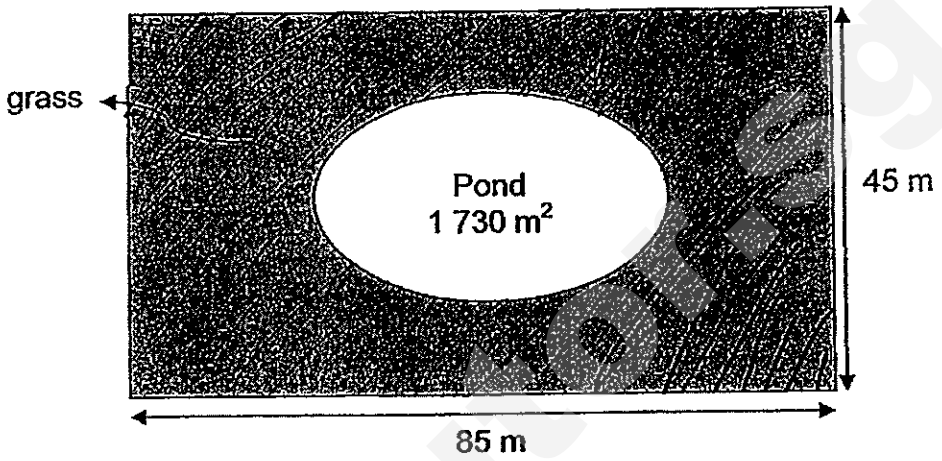
    If Mr Tong has $235, how much more money does he need?

Answer: _____ [3]

37. Andrea and Ben had 3 678 oranges altogether. After Andrea gave 34 oranges to Ben, she had 5 times as many oranges as Ben. How many oranges did Ben have at first?

Answer: _____ [3]

38. A rectangular plot of land measures 85 m by 45 m. A pond, with an area of 1 730 m^2, is built within the rectangular plot of land, as shown in the figure below. The area outside of the pond is covered with landscaped grass. If each 1 m^2 of landscaped grass cost \$8, how much does it cost to cover the whole area outside the pond with grass?



Answer: _____ [4]

39. A company has 820 employees. $\frac{1}{4}$ of the employees wear spectacles.

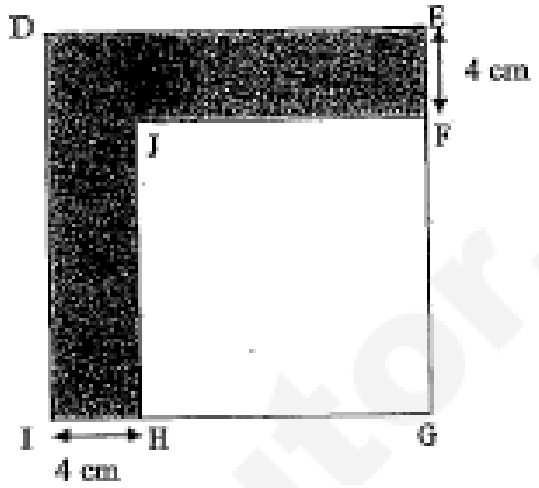
a) How many employees do not wear spectacles?

b) If $\frac{3}{5}$ of the employees are female, how many male employees are there in the company?

Answer: (a) _____ [2]

(b) _____ [2]

40. The figure below, not drawn to scale, shows two squares DEGI and JFGH. IH = EF = 4 cm. Given that the area of the JFGH is 144 cm^2, what is the perimeter of the shaded region?



Answer: _____ [4]

41. Edward gave away 372 stamps and had $\frac{2}{5}$ of his stamps left. His sister, Alice, gave away the same number of stamps as him and had $\frac{3}{4}$ of her stamps left. How many stamps did Edward and Alice have altogether at first?

Answer: _____ [4]

42. There were 482 sweets in Box A and 98 sweets in Box B at first. After an equal number of sweets were added into each box, there was four times as many sweets in Box A as Box B. How many sweets were added into each box?

Answer: _____ [4]

43. At a florist, $\frac{5}{8}$ of the flowers are roses. $\frac{2}{9}$ of the remaining flowers are lilies and the rest are tulips. If there are 1 408 more roses than tulips at the florist, how many flowers are there at the florist?

Answer: _____ [4]

End - of - Paper

Anglo-Chinese School (Primary)

Mid-year Examination 2014

Mathematics Primary 4

1) 3
2) 4
3) 2
4) 3
5) 4
6) 4
7) 2
8) 4
9) 1
10) 2
11) 4
12) 2
13) 3
14) 3
15) 2
16) 13 604
17) 704
18) 3 & 13
19) 1 year less than multiple of 9 must b also a multiple of 4. Ans : 44 years old
20) 1⅝
21) ⅛
22) 31 648, 31 486, 13 846, 13 684

23) $5\frac{2}{3} = 17/3 = 68/12$ Ans: 68

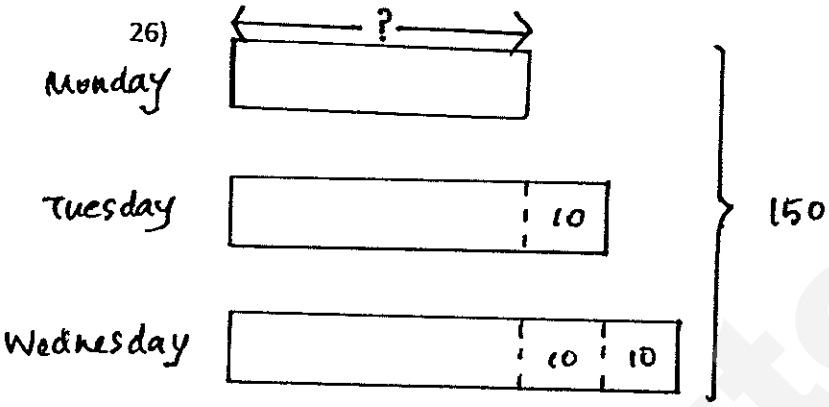
24) 5u-2u = 3u

7u –> 154

3u –> 3/7X154 = 66 more ducks than chickens

25) 15/36 = 5/12

26)



150-30 = 120

120/3 = 40 cakes

27) 7/10 = 21/30

21-9 = 12 more stars

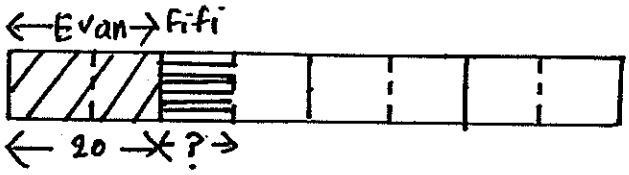
28) 22cm X 10cm = 220 cm^2

(220-184) cm^2 = 36 cm^2

36cm^2 = 6cm X 6cm

29) ¾ X \$136 = \$102

30)



20/2 = 10

31) 136m/8 = 17 (intervals)

17+1 = 18 lamp posts

32) BF

33) Angle e & Angle b

34) 49 cm^2 = 7cm X 7cm

105 cm^2/7 cm = 15 cm

15cm + 7cm = 22 cm

7cm X 2 = 14 cm

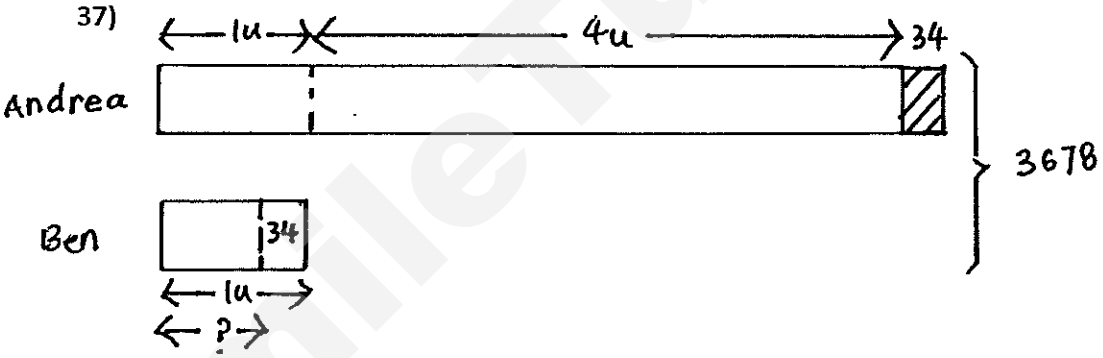
Perimeter of the figure = 22cm + 22cm + 14cm + 14cm = 72 cm

35) 73°

36) 39 X $17 = $663

$(663-428) = $428

37)



3678/6 = 613

613-34 = 579 oranges at first

38) 85m X 45m = 3825 m^2

(3825-1730) m^2 = 2095 m^2

1 m^2 --> $8

2095 m^2 --> 2095 m^2 X $8 = $16 760

39) 1-¼ = ¾

a) ¾ X 820 = 615 employees

1-⅗ = ⅖

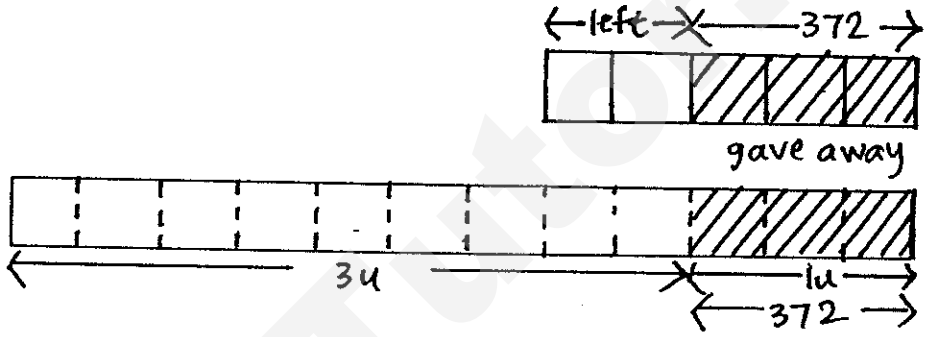
b) ⅖ X 820 = 328 male employees

40) 144 cm² = <u>12cm</u> X <u>12cm</u> (length of JFGH)

(4+12) cm = 16 cm (length of DEGI)

Perimeter of shaded region = 16cm X 4 = 64 cm

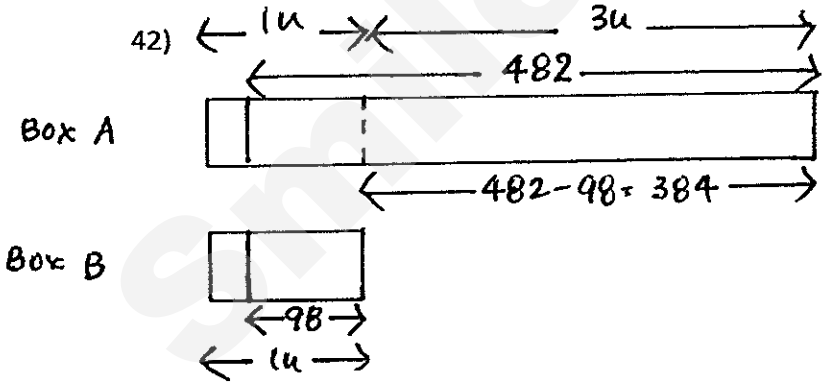
41)



372/3 = 124

124X17 = 2108 stamps

42)



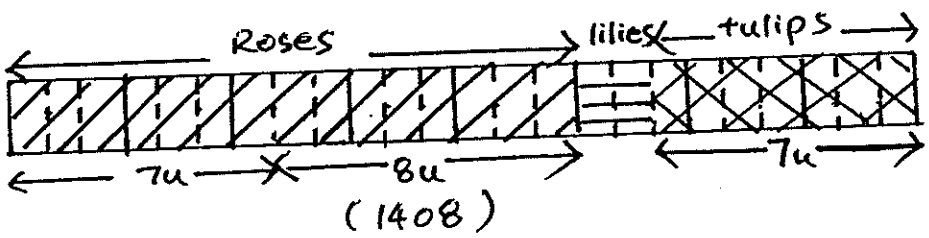
482-98 = 384

3u --> 384

1u --> ⅓ X 384 = 128

128-98 = 30 sweets were added to each box

43)



15u-7u = 8u

8u --> 1408

24u --> 24/8 X 1408 = 4224 flowers

CATHOLIC HIGH SCHOOL
MID-YEAR EXAMINATION 2014
MATHEMATICS
PRIMARY 4

Name :_____( )

Class: Primary 4 _____

Date: 20 May 2014

Duration: 1 h 45 min

Section A	40
Section B	40
Section C	20
Total Marks	100

Parent's Signature: _____

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

For section A, shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 19 printed pages.

Section A: Multiple-Choice Questions (40 marks)

Questions 1 to 20 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4).
Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).
SHADE the oval completely. All diagrams are not drawn to scale.

1. In the number, 15 376, which digit is in the thousands place?

(1) 1

(2) 5

(3) 3

(4) 7 ( )

2. In which of the following are the numbers arranged from the greatest to the smallest?

	(greatest)		(smallest)
(1)	8361 ,	8631 ,	8613
(2)	8631 ,	8613 ,	8361
(3)	8613 ,	8361 ,	8631
(4)	8631 ,	6831 ,	8613

( )

3. Which one of the following numbers when rounded off to the nearest hundred becomes 29 000?

(1) 28 948

(2) 29 030

(3) 29 058

(4) 29 400 ( )

4. What is the missing number in the box below?

$$\frac{27}{12} = 2\frac{\square}{4}$$

(1) 1

(2) 7

(3) 3

(4) 8 ( )

5. Find the sum of $\frac{3}{4}$ and $\frac{1}{12}$.

(1) $\frac{4}{12}$

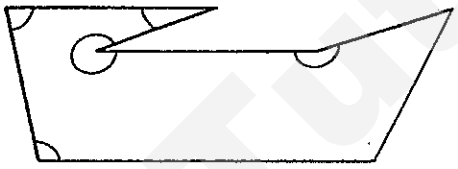
(2) $\frac{4}{16}$

(3) $\frac{5}{6}$

(4) $\frac{8}{12}$ ( )

---

6. In the figure below, how many of the marked angles are less than 90°?



(1) 5

(2) 7

(3) 3

(4) 4 ( )

---

7. Which one of the following numbers is a factor of both 28 and 63?

(1) 7

(2) 2

(3) 9

(4) 4 ( )

---

8. Find the value of $\frac{7}{9} - \frac{2}{3}$

(1) $\frac{5}{6}$

(2) $\frac{6}{9}$

(3) $\frac{1}{9}$

(4) $\frac{5}{9}$ ( )

9. In the number pattern below, what is the missing number in the box?
614, $\boxed{}$, 412, 311

(1) 101

(2) 202

(3) 513

(4) 715

( )

10. Find the remainder of 687 ÷ 9.

(1) 12

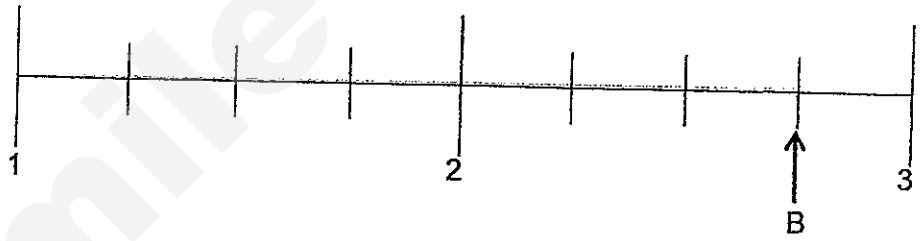
(2) 13

(3) 3

(4) 76

( )

11. Which of the following mixed numbers is represented by the letter B in the number line shown?



(1) $1\frac{1}{4}$

(2) $1\frac{3}{4}$

(3) $2\frac{1}{4}$

(4) $2\frac{3}{4}$

( )

12. Michelle baked 80 cookies on Monday and gave away 26 of them. On Tuesday, she baked 34 cookies. How many cookies did she have in the end?

(1) 46

(2) 54

(3) 88

(4) 114 ( )

---

13. Mr. Jacobs spent $420 on a shopping trip. He spent $105 more than Mr. Thomson. How much did they spend altogether?

(1) $315

(2) $525

(3) $735

(4) $945 ( )

---

14. Carl has 5 times as many stickers as John. Carl has 20 stickers more than John. How many stickers do they have altogether?

(1) 20

(2) 25

(3) 30

(4) 4 ( )

---

15. Find the product of $\frac{4}{3} \times 4$.

(1) $\frac{4}{12}$

(2) $1\frac{1}{3}$

(3) $4\frac{1}{3}$

(4) $5\frac{1}{3}$ ( )

16. Thomas had 24 stickers. He gave $\frac{1}{4}$ of his stickers to his friend. How many stickers had he left?

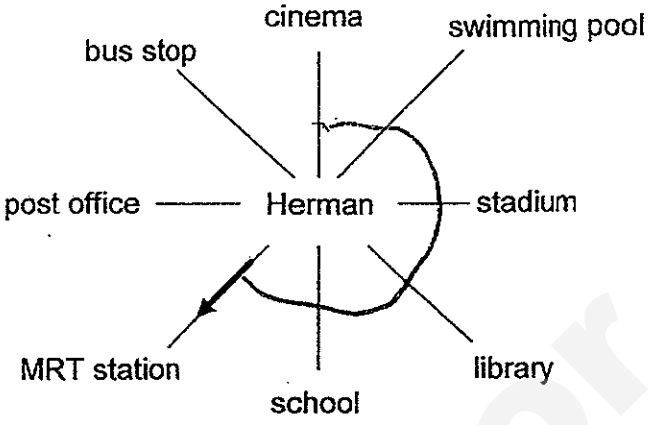
(1) 6
(2) 12
(3) 18
(4) 20 ( )

---

17. $\frac{3}{4}$ of a complete turn is _____°

(1) 45°
(2) 90°
(3) 180°
(4) 270° ( )

18.



Herman is facing the MRT station. After turning an angle of 225° in the anti-clockwise direction, he faces the _____.

(1) cinema

(2) bus stop

(3) stadium

(4) swimming pool ( )

---

19. Carrie had 1 pizza. She gave $\frac{1}{9}$ of the pizza to a friend and ate $\frac{2}{9}$ of the pizza. What fraction of the pizza was left?

(1) $\frac{1}{3}$

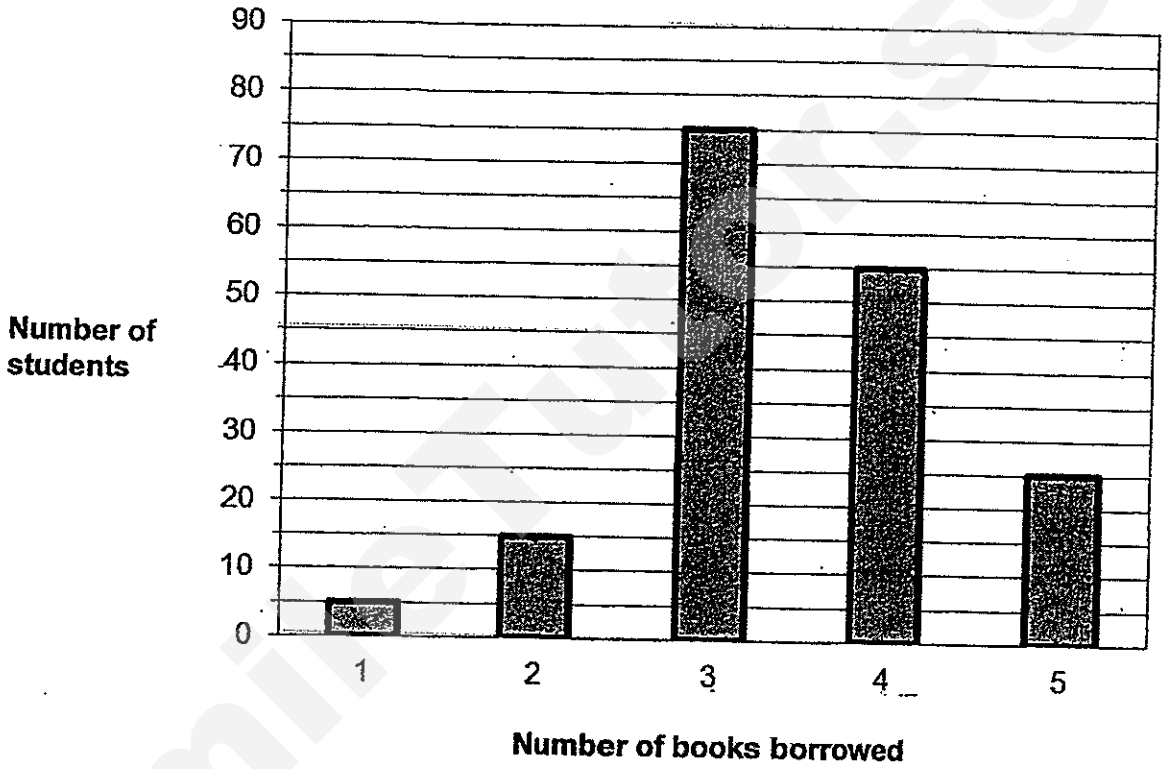
(2) $\frac{2}{3}$

(3) $\frac{7}{9}$

(4) $\frac{8}{9}$ ( )

Study the graph below carefully and answer question 20.

The bar graph shows the number of students who borrowed books from the library.



20. How many students borrowed less than 3 books?

(1) 15
(2) 20
(3) 75
(4) 80

( )

Section B: Short Answer Questions (40 marks)

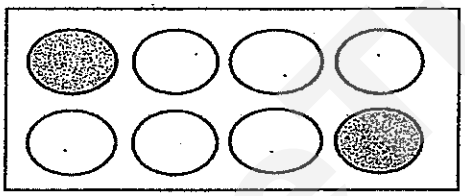
Do not write in this space

Question 21 to 40 carries 2 marks each. Write your answer in the blank provided

21. Write sixty-four thousand, three hundred and one in numerals.

Ans: _____

22. Study the shapes below. How many more ovals must be shaded so that $\frac{3}{4}$ of the ovals are shaded?



Ans: _____

23. Subtract 24 tens from 24 thousands.

Ans: _____

24. Arrange the following fractions in ascending order.

$$\frac{3}{4}, \frac{5}{8}, \frac{1}{4}$$

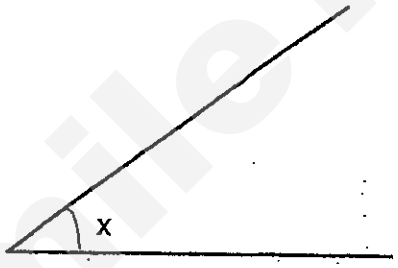
Ans: _____, _____, _____

Do not write in this space

25. There are 24 girls in a class. $\frac{2}{5}$ of the pupils in the class are boys. How many pupils are there altogether in the class?

Ans: _____

26. Measure and write down the size of ∠x.



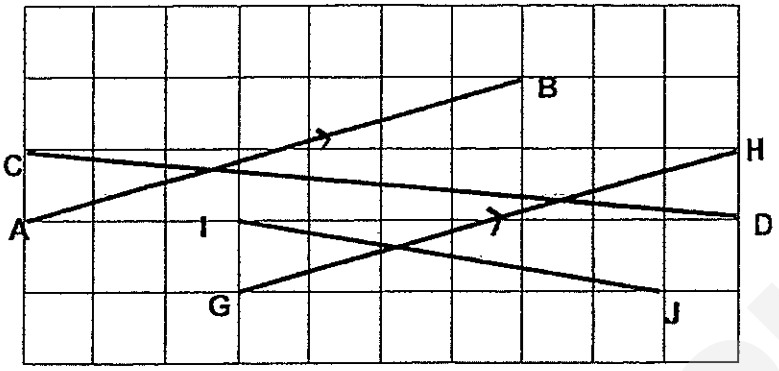
Ans: _____°

27. An apple weighs $\frac{1}{5}$ kg. A guava is thrice as heavy as the apple. How much heavier does the guava weigh?

Ans: _____ kg

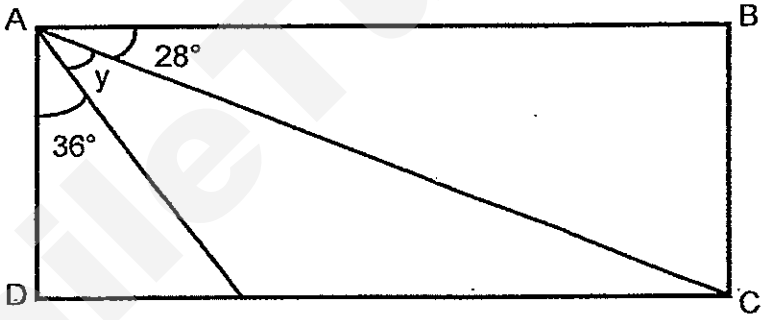
Do not write in this space

28. Which pair of lines AB, CD, GH and IJ are parallel lines?



Ans: _____

29. ABCD is a rectangle. Find ∠y.



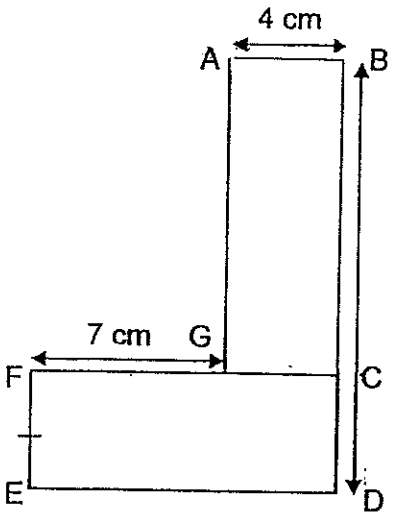
Ans: _____ °

30. Azel paid $30 for 1 chicken pie and 3 potato pies. The cost of 1 potato pie is half the cost of 1 chicken pie. How much did each potato pie cost?

Ans: $_____

31. The figure shown is made up of 2 identical rectangles ABCG and CDEF. Find the unknown length BD.

Do not write in this space



Ans: _____cm

32. Becky had an allowance of $81. She spent $18 on food, $9 on a magazine and saved the rest. What fraction of her allowance did she save? Leave the answer in the simplest form.

Ans: _____

33. There were 245 people at a party. $\frac{2}{5}$ of the people were men and the rest were women. How many women were there?

Ans: _____

Do not write in this space

34. Sean, Tim and Vajon have $54 altogether. Sean has $6 more than Tim and Vajon has $9 more than Tim. How much does Tim have?

Ans: $_____

35. Mr. Lim bought $\frac{1}{3}$ kg of prawns. Mr. Tan bought $\frac{1}{6}$ kg of prawns more than Mr. Lim. How many kilograms of prawns did both of them buy altogether?

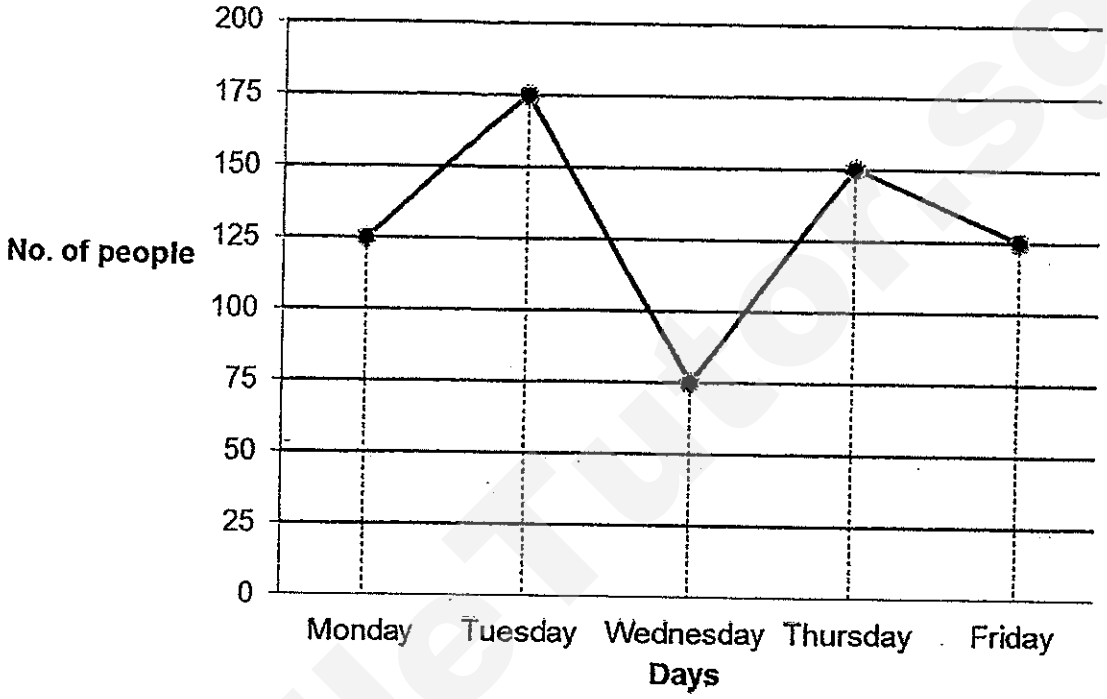
Ans: _____ kg

36. John had four times as much money as Carine. After John spent $87 of his money on a bag, he had the same amount of money as Carine. How much money did John have at first?

Ans: $_____

Study the graph below carefully and answer questions 37 and 38.
The graph shows the number of people at an amusement park from Monday to Friday.

Do not write in this space



37. During which one day interval was the decrease in the number of people the greatest?

Ans: _____ to _____

38. What is the total number of people who visited the amusement park from Wednesday to Friday?

Ans: _____

39. A notebook and 4 pens cost \$13 altogether. The notebook costs \$3 more than each pen. How much does each notebook costs?

Ans: \$ _____

40. Jones and Chris had \$126 each at first. Jones gave $\frac{1}{6}$ of his money to Chris. How much did Chris have in the end?

Ans: \$ _____

Do not write in this space

Section C: Long Answer Questions (20 marks)

Question 41 to 45 carries 4 marks each. Write your answer in the blank provided. Show your workings clearly.

Do not write in this space

41. Darren, Eric and Felicia have a total of 96 buttons. Eric has 4 more buttons than Darren. Felicia has thrice as many buttons as the total number of buttons that Darren and Eric have. How many more buttons does Felicia have than Eric?

Ans: _____ [4]

42. Serene and Debbie shared a box of chocolate equally between them. After Serene ate 26 of her chocolates and Debbie ate 10 of hers, Debbie had three times as many chocolate left as Serene. How many chocolates did Serene have at first?

Do not write in this space

Ans: _____ [4]

43. Sarah baked some tarts on Monday. She gave $\frac{2}{3}$ of the tarts to her sister and was left with 14 tarts. On Tuesday, she baked 16 more tarts than on Monday. How many tarts did she baked altogether?

Do not write in this space

Ans: _____ [4]

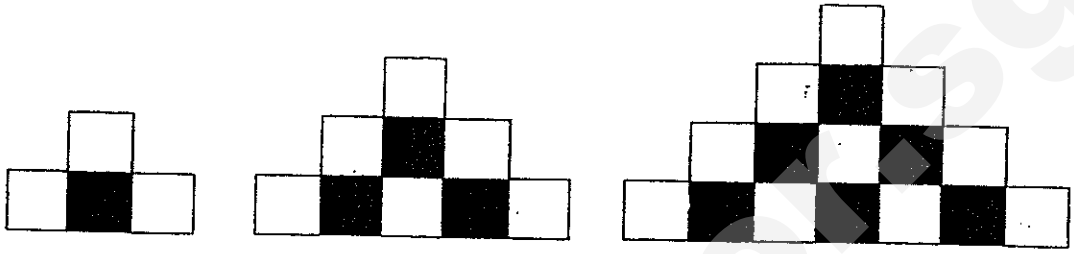
44. Wendy has less than 40 cupcakes. When she packed them in boxes of 6, she will have 5 extra cupcakes. When she packed them in boxes of 9, she is short of 4 cupcakes. How many cupcakes does she have?

Do not write in this space

Ans: _____ [4]

45. The patterns below are made up of identical black and white squares.

Do not write in this space



Pattern 1 Pattern 2 Pattern 3

a) Find the number of black squares in Pattern 4.

b) Find the number of white squares in Pattern 5.

c) Find the total number of black and white squares in Pattern 8.

Ans: a)_____ [1]

b)_____ [1]

c)_____ [2]

END OF PAPER.
Have you checked your work?

Exam Paper 2014 Answer Sheet

School: CATHOLIC HIGH SCHOOL
Subject: PRIMARY 4 MATHEMATICS
Term: SA1

Paper 1

1)	2	6)	3	11)	4	16)	3
2)	2	7)	1	12)	3	17)	4
3)	2	8)	3	13)	3	18)	1
4)	1	9)	3	14)	3	19)	2
5)	3	10)	3	15)	4	20)	2

21. 64301

22. 4

23. 23760

24. $^{1}/_{4}$, $^{5}/_{8}$, $^{3}/_{4}$

25. 40

26. 37

27. $^{2}/_{5}$

28. AB//GH

29. 26

30. 6

31. 15

32. $^{2}/_{3}$

33. 147

34. 13

35. $^{5}/_{6}$

36. 116

37. Tuesday to Wednesday

38. 350

39. 5

40. 147

41. 4 x 4 = 16
96 – 16 = 80
8u → 80
1u → 10
F → 10 x 6 = 60
60 + 12 = 72
E → 10 + 4 = 14
72 – 14= **58 more buttons**

42. 2u → 26 – 10 = 16
1u → 16 ÷ 2 = 8
S → 26 + 8 = **34 chocolate**

43. 1u → 14
3u → 14 x 3 = 42
M → 42
T → 42 + 16 = 58
M + T → 58 + 42 = **100 tarts**

44.

÷ 6	6	12	18	24	30	36
R 5	11	17	**23**	29	35	41
÷ 9	9	18	27	36		
- 4	5	14	**23**	32		

45. (a) **10**
(b) **21**
(c) P8 → 36 + 45 = **81**

Name: _____( )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2014 Semestral Assessment One

Booklet A

12 May 2014

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 10 printed pages including the cover pages.

Section A: (20 x 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

---

1. In the number 17 823, which digit is in the ten thousands place?

1) 1
2) 2
3) 7
4) 8

2. Which one of the following is the best estimate for 38 × 63?

1) 40 x 70
2) 40 x 60
3) 30 x 70
4) 30 x 60

3. Which one of the following numbers when rounded off to the nearest ten, becomes 37 500?

1) 37 448

2) 37 494

3) 37 496

4) 37 507

4. Which one of the following numbers gives a quotient of 467 and a remainder of 3 when it is divided by 8?

1) 1401

2) 1409

3) 3736

4) 3739

5. Which one of the following numbers is a multiple of 4 and a factor of 64?

1) 12

2) 24

3) 32

4) 128

6. How many sixths are there altogether in $2\frac{1}{3}$?

1) 1

2) 2

3) 12

4) 14

7. When a number is divided by 4, the remainder is 2. When the same number is divided by 5, the remainder is 1. Which one of the following numbers is a possible answer?

1) 105

2) 106

3) 115

4) 116

8. Which one of the following figures shows that $1\frac{3}{5}$ of the figure is shaded?

1) 

2) 

3) 

4) 

9. A box contains red and green marbles. $\frac{3}{5}$ of the marbles are red and the rest are green. If there are 120 green marbles, how many red marbles are there?

1) 300

2) 180

3) 80

4) 24

10. Which one of the following fractions is greater than half?

1) $\frac{1}{3}$

2) $\frac{3}{5}$

3) $\frac{4}{9}$

4) $\frac{5}{10}$

The table below shows the number of fruits sold at Uncle Tan's fruit stall on Monday. Use the table and answer questions 11 and 12.

Type of fruit	Number of fruits sold	Cost of each fruit	Amount of money collected
Avocado	57	$2	$114
Peach		$3	
Guava	100	$1 20	$120
		Total	$342

11. How many peaches did Uncle Tan sell?

1) 36

2) 74

3) 76

4) 108

12. On Tuesday, Uncle Tan packed 100 guavas into bags of 5. He sold all the bags of guavas at $4 each. How much less did he collect from the sale of all the guavas on Tuesday than on Monday?

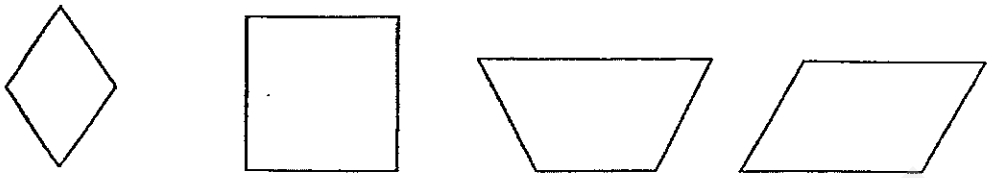
1) $ 30

2) $ 40

3) $ 80

4) $ 200

13. Which one of the following figures has only 1 pair of parallel lines?



A B C D

1) A

2) B

3) C

4) D

14. Mr. Kong bought $\frac{3}{4}$ kg of sugar on Tuesday. He bought another $\frac{2}{3}$ kg of sugar on Wednesday. How much sugar did he buy altogether?

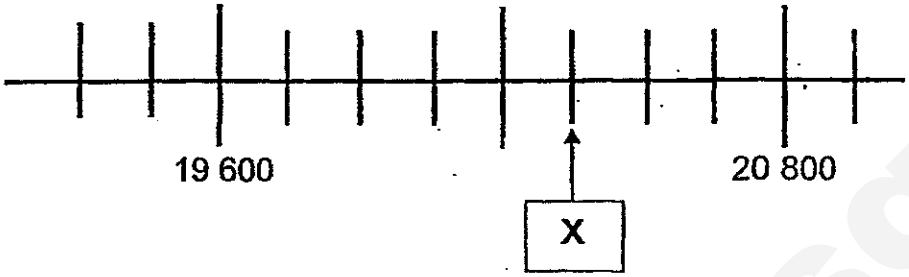
1) $\frac{5}{7}$ kg

2) $\frac{1}{7}$ kg

3) $1\frac{7}{12}$ kg

4) $1\frac{5}{12}$ kg

15. What is the value of X in the number line?



1) 20 200

2) 20 320

3) 20 350

4) 20 500

16. A pair of soccer boots and 4 similar jerseys cost a total of $440. The pair of soccer boots costs the same as the 4 jerseys. How much does each jersey cost?

1) $55

2) $88

3) $110

4) $220

17. Arlene was facing the Southwest direction at first. She made a 135° turn in an anti-clockwise direction. What direction was she facing after the turn?

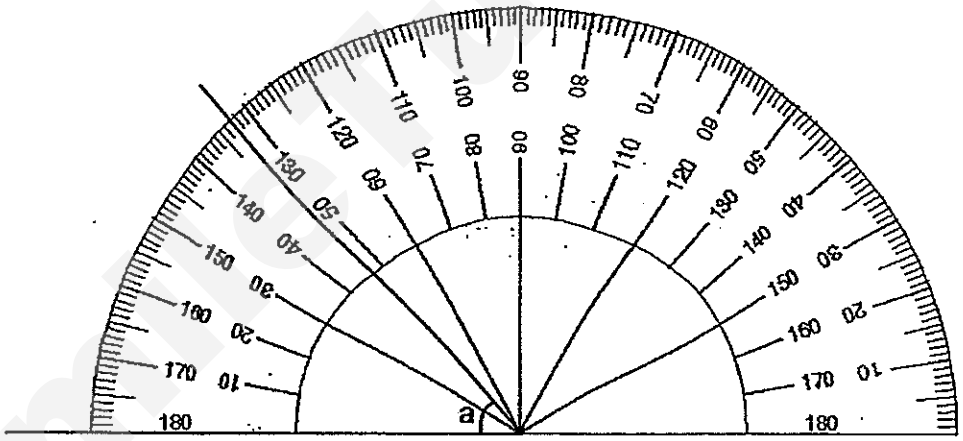
1) North

2) South

3) East

4) West

18. Find ∠a.



1) 47°

2) 53°

3) 133°

4) 147°

19. Tommy's age is 7 times of Kiera's age. Tommy is 12 years older than Kiera. What is their total age?

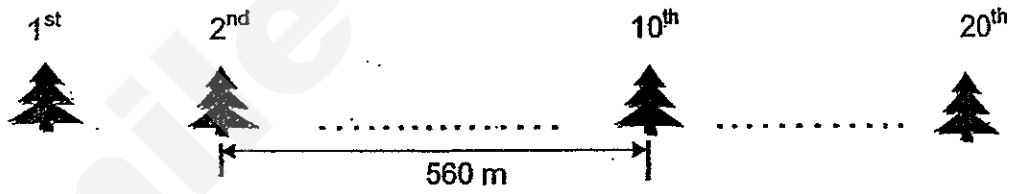
1) 16

2) 24

3) 72

4) 84

20. Some trees were planted at an equal distance apart from one another. The distance between the 2nd and the 10th tree is 560 m. A total of 20 trees were planted. What is the distance between the first tree and the last tree?



1) 1197 m

2) 1260 m

3) 1330 m

4) 1400 m

- END OF BOOKLET A -

Name: _____ ( )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2014 Semestral Assessment One

Booklet B

12 May 2014

Booklet A :	**/ 40**
Booklet B :	**/ 60**
Total :	**/ 100**

_____

Parent's/Guardian's Signature

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 14 printed pages including the cover page.

Section B: (20 x 2 marks)

Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.

Do not write in this space

21. Write 25 944 in words.

Ans : _____

_____

22. Study the number pattern below. What are the missing numbers, A and B?

32 190 , 32 610, 33 030 , ____A____ , ____B____ , 34 290

Ans : A = _____

B = _____

23. The sum of 3 numbers is 3240. The first number is 906.
The second number is twice of the third number.
What is the third number?

Ans : _____

Do not write in this space

24. The number of competitors at a marathon, when rounded off to the nearest hundred, is 12 400. What is the greatest possible number of competitors at the marathon?

Ans : _____

25. Meylor baked 93 cupcakes. He packed all of them into boxes. There were 8 cupcakes in each box. How many boxes did he use to pack all the cupcakes?

Ans : _____

26. Xiaowei's monthly pocket money is $210. Every month, she spends $30 on transport, $100 on food and saves the rest. How much will she save in a year?

Ans : $ _____

27. List all the factors of 42.

Do not write in this space

Ans : _____

28. Use the numbers below to form the largest 5-digit odd number.

7	0	4	9	5

Ans : _____

Do not write in this space

29. Shaun has 420 stickers and Rahman has 360 stickers. How many stickers must Shaun give to Rahman so that each of them has the same number of stickers?

Ans : _____

30. Keryi packed some lollipops equally into bags of 102. He gave away 5 such bags. Then he had 36 lollipops left. How many lollipops did he pack at first?

Ans : _____

31. There are 6 adults and 48 children on board a train. What fraction of the passengers are adults? Give your answer in the simplest form.

Ans : _____

32. Leroy had $2\,\ell$ of orange juice. He drank $\frac{1}{8}\,\ell$ of it in the morning. In the evening, he drank twice of what he drank in the morning. How many litres of orange juice did he have left? Express your answer as a mixed number.

Do not write in this space

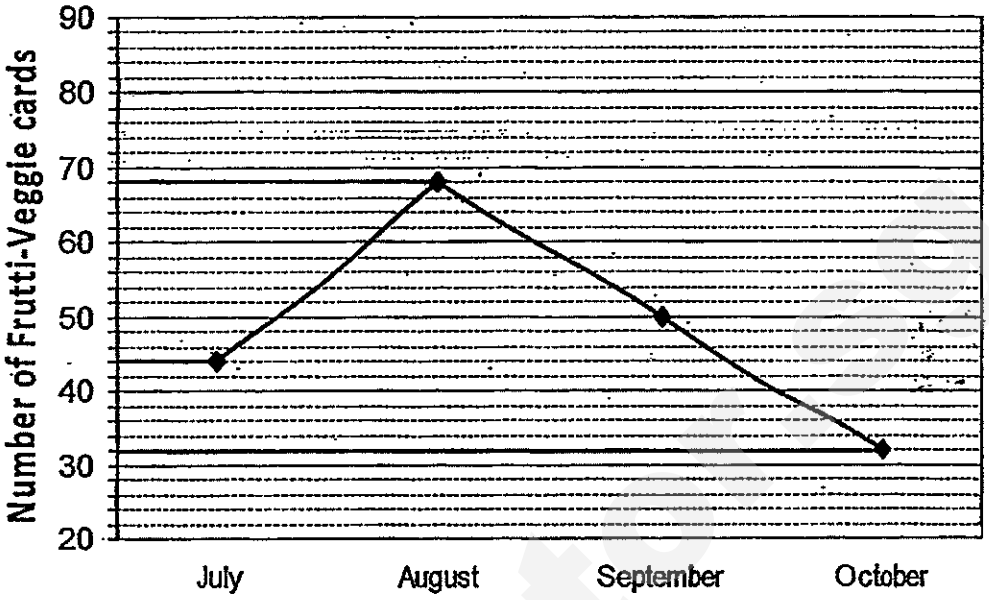
Ans : _____ ℓ

33. There were 4950 people at the Singapore Air show. $\frac{5}{6}$ of them were adults and the rest were children. If there were 345 girls, how many boys were there?

Ans : _____

The line graph below shows the number of Frutti-Veggie cards collected by a Primary 4 class from July to October. Study the graph carefully and answer questions 34 and 35.

Do not write in this space



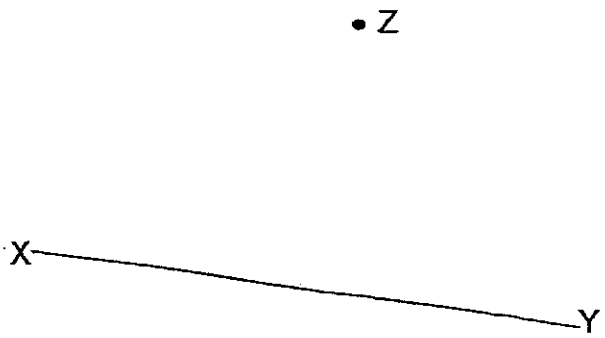
34. Every pupil in the class collected 2 cards in August. How many pupils were there in the class?

Ans : _____

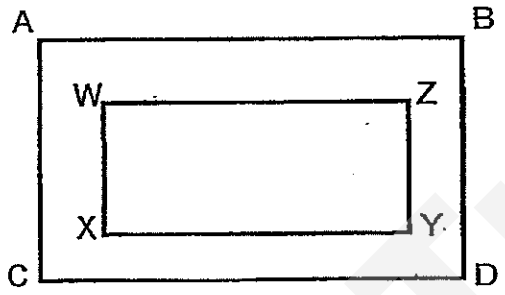
35. How many cards did the class have to collect in November so that a total of 300 cards would be collected from July to November?

Ans : _____

36. Draw a line perpendicular to XY passing through the point Z.



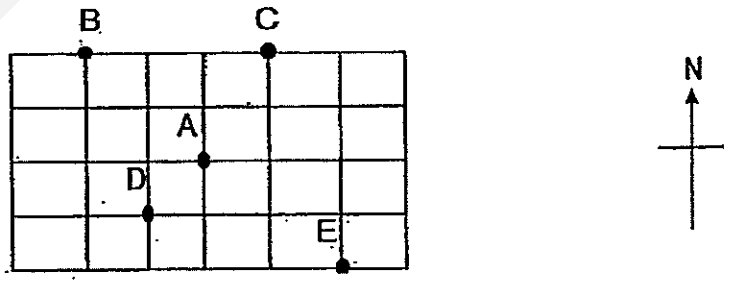
37. Name a vertical and a horizontal line in the figure below.



Ans : Vertical Line : _____

Horizontal Line : _____

38. Study the diagram below and answer the following question.



Point A is north-west of Point _____ .

Ans : _____

Do not write in this space

39. Martha had $340. Jane had 3 times as much money as Martha. Jane had 2 times as much money as Belle. How much money did the 3 girls have altogether?

Do not write in this space

Ans : $ _____

40. In a reading corner, books were placed equally on 6 shelves. 2 shelves were removed and the books on these shelves were placed on the remaining shelves. As a result, 4 extra books were placed on each remaining shelf. How many books were there in the reading corner?

Ans : _____

Section C: (20 marks)

Solve the following problems. All mathematical working and statements must be shown clearly.

Do not write in this space

41. At a funfair, a total of 5385 cookies were for sale. There were 3 times as many chocolate cookies as oatmeal cookies. There were 190 fewer oatmeal cookies than strawberry cookies. How many strawberry cookies were for sale?

Ans : _____ [3]

Do not write in this space

42. Margaret was given 2 pieces of ribbons of lengths 47 cm and 115 cm respectively. She was asked to cut out as many 6-cm pieces of ribbons as possible from them. What was the maximum possible number of such 6-cm pieces of ribbons Margaret could cut out?

Ans : _____ [3]

43. A truck containing 9200 litres of water was at a farm. After the truck transferred some water into a tank on the farm, the truck had 4 times as much water as the tank. If the tank had ~~350~~ 2135 litres of water in the end, how much water did the truck transfer into the tank?

Ans : _____ [3]

44. Harry bought some meat. He gave $\frac{2}{9}$ of it to his brother, $\frac{1}{3}$ of it to his sister and the rest to his parents. His parents received 400 g more meat than his sister. How many grams of meat did Harry buy in all?

Do not write in this space

Ans : _____ [3]

45. 2 packets of flour and 2 bags of sugar weigh 2160 g. The mass of one packet of flour is $\frac{1}{3}$ the mass of one bag of sugar. What is the mass of one bag of sugar?

Do not write in this space

Ans : _____ [4]

46. Zulhaimi bought 4 similar shirts. Each shirt cost $49. Dinesh bought 3 similar belts and paid $56 more than Zulhaimi. How much would 15 such belts cost?

Do not write in this space

Ans : _____ [4]

END OF PAPER

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2014 Semestral Assessment One

1) 1

2) 2

3) 3

4) 4

5) 3

6) 4

7) 2

8) 1

9) 2

10) 2

11) 1

12) 2

13) 3

14) 4

15) 3

16) 1

17) 3

18) 1

19) 1

20) 3

21) Twenty-five thousand, nine hundred and forty-four.

22) A = 33450 , B = 33870

23) 3240 – 906 = 2334

2334/3 = 778

24) 12499

25) 12

26) \$210-\$30-\$100 = \$80

\$80 × 12 = \$960

27) 1, 2, 3, 6, 7, 14, 21, 42

28) 97 405

29) 420-360 = 60

60/2 = 30

30) 102X5 = 510

510+36 = 546

31) 6/54 = 1/9

32) 1/8X3 = 3/8

2-3/8 = 1/5/8

33) 5/6X4950 = 4125

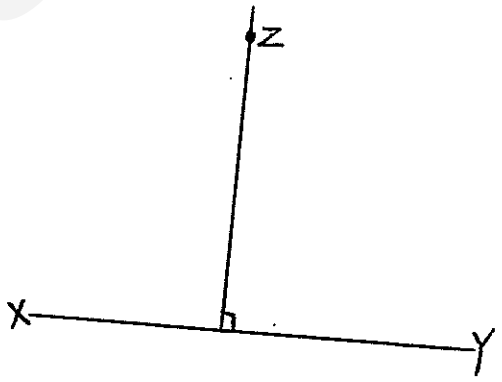
4950-4125 = 825

825-345 = 480

34) 34

35) 300-44-68-50-32 = 106 cards

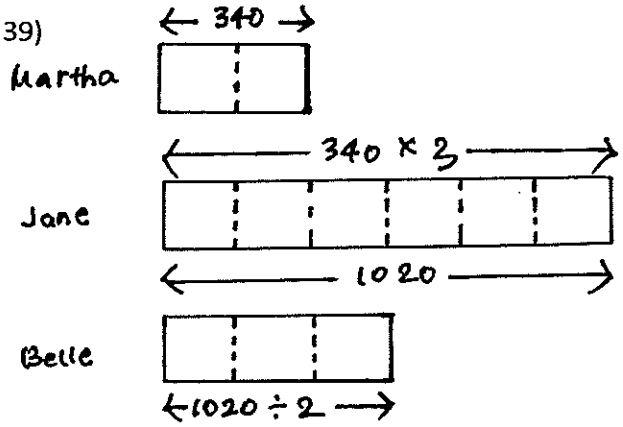
36)



37) Vertical Line : AC , Horizontal Line : AB

38) E

39)



$340X3 = $1020 (Jane)

$1020/2 = $510 (Belle)

$340+$1020+$510 = $1870

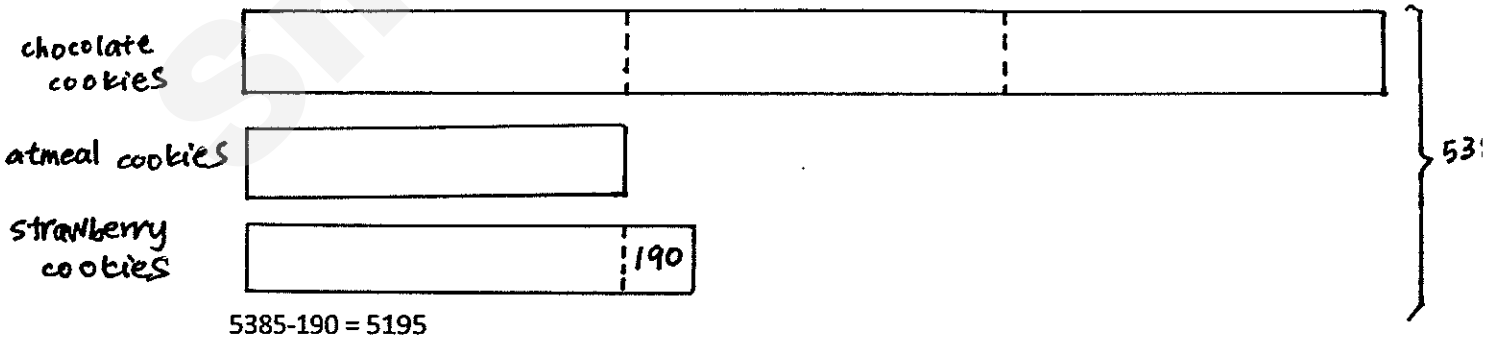
40) 6-2 = 4 (number of shelves left)

4X4 = 16 (extra books placed on the remaining shelves)

16/2 = 8 (number of books on 1 shelf)

8X6 = 48 (number of books on 6 shelves)

41)



5385-190 = 5195

5195/5 = 1039

1039+190 = 1229 strawberry cookies

42) 47/6 = 7 R 5

115/6 = 19 R 1

7+19 = 26 pieces of ribbon

43) 2135/ X 4 = 8540/

9200/-8540/ = 660/

44) 2/9 = 4/18

1/3 = 6/18

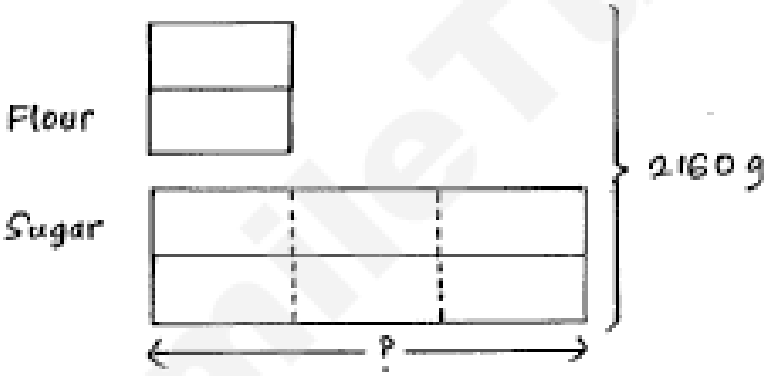
18u-6u-4u = 8u (parents)

8u-6u = 2u (difference between parents & sister)

2u --> 400 g

18u --> 18/2 X 400 g = 3600 g

45)



2160/8 = 270 g

270X3 = 810 g

HENRY PARK PRIMARY SCHOOL
2014 SEMESTRAL EXAMINATION I
MATHEMATICS
PRIMARY 4

100

Name: _____ Parent's Signature

Class: Pr 4 _____ _____

Duration of Paper: 1 h 45 min

Section A : (10 x 2 marks = 20 marks)
Read each question carefully. For each question, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals on the Optical Answer Sheet.

1. In 42 013, the digit _____ is in the ten thousands place.

   (1) 1
   (2) 2
   (3) 3
   (4) 4 ( )

2. $7\frac{3}{4} = \frac{\boxed{?}}{4}$

   What is the missing number in the box?
   (1) 21
   (2) 25
   (3) 28
   (4) 31 ( )

3. How many seconds are there in 3 min 55 s?

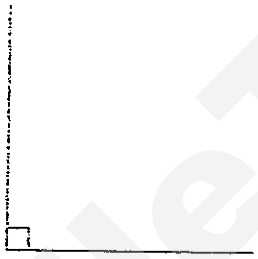
   (1) 165 s
   (2) 180 s
   (3) 235 s
   (4) 355 s ( )

4. Which one of the following angles is <u>more</u> than a $\frac{1}{4}$-turn?

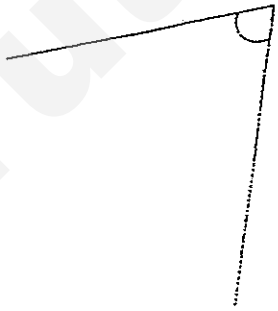
(1)

(2)

(3)

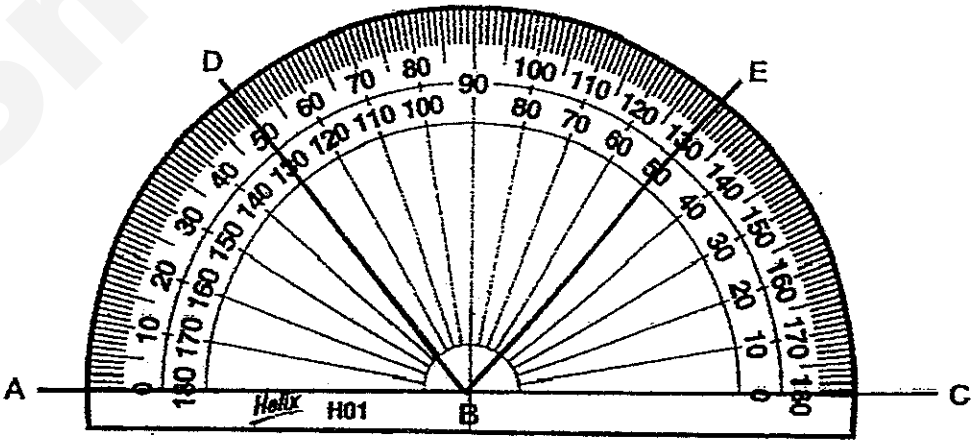


(4)



( )

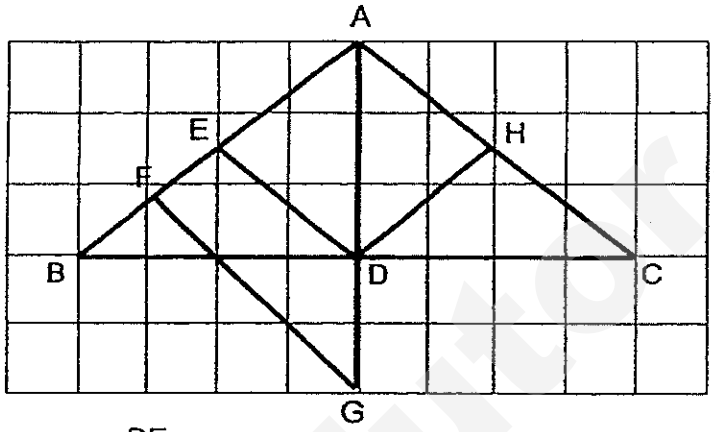
5. Which of the following angles measure 50°?



(1) ∠ABD
(2) ∠ABE
(3) ∠DBC
(4) ∠DBE

( )

6. One of the lines in the figure shown below is parallel to ~~DE~~ DH.
Which line is parallel to ~~DE~~ DH?



(1) ~~DH~~ DE
(2) FG
(3) EA
(4) HA ( )

7. Find the length of the side of a square garden which has an area of 64 m².

(1) 8 m
(2) 12 m
(3) 16 m
(4) 32 m ( )

8. Which of the following numbers is 3100 when rounded off to the nearest hundred?

(1) 3007
(2) 3017
(3) 3070
(4) 3170 ( )

9. A number when divided by 8 gives a quotient of 800 and a remainder of 4. What is the number?

(1) 104
(2) 208
(3) 3208
(4) 6404

( )

10. Find the value of $\frac{1}{2} + \frac{1}{8}$.

(1) $\frac{1}{4}$

(2) $\frac{3}{4}$

(3) $\frac{3}{8}$

(4) $\frac{5}{8}$

( )

Section B : (25 x 2 marks = 50 marks)

Read the questions carefully and write the correct answer in the blanks provided. Show all workings clearly.

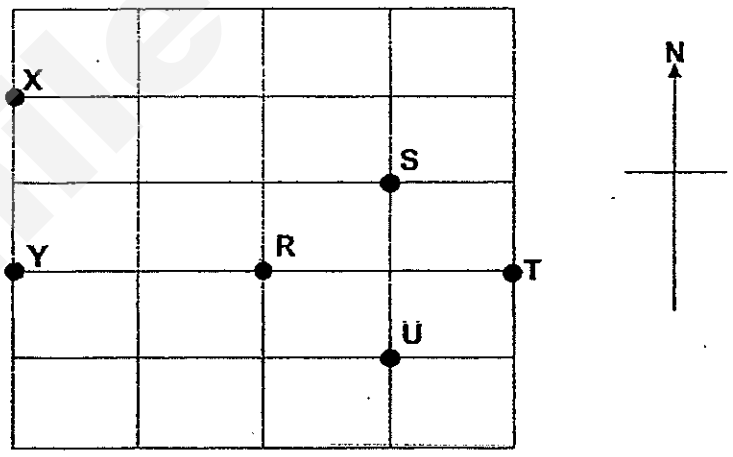
11. Write $\frac{15}{6}$ as a mixed number in its simplest form.

Ans: _____

12. Subtract $\frac{5}{12}$ from $\frac{3}{4}$.

Ans: _____

13. Study the diagram below. Fill in the blanks with the correct answer.



(a) Which direction is Point Y of Point X?

Point Y is [?] of Point X.

(b) Which point is north-west of Point T?

Ans: (a) _____

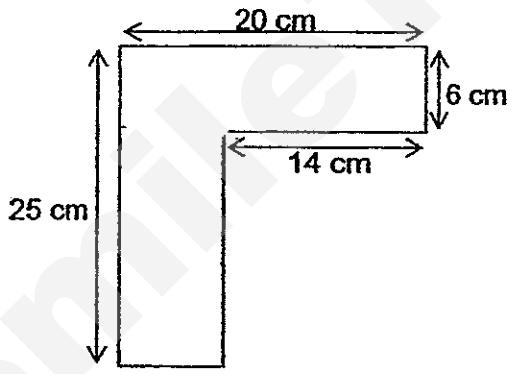
(b) _____

Score: [ ]

14. A plane left Singapore at 22 15 on Monday and arrived in Australia at 04 20 on Tuesday. How long was the flight from Singapore to Australia?

Ans: _____h _____ min

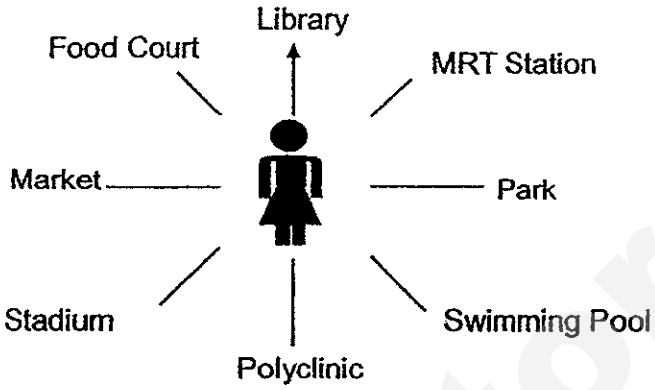
15. Study the figure below carefully. All lines meet at right angles.
Find the area of the figure.



Ans: _____ cm

Score:

Use the 8 point compass shown below to answer Questions 16 and 17.



16. Aileen is facing the food court. Where will she be facing if she makes a half-turn in a clockwise direction?

Ans: _____

17. Aileen is now facing the park. She turned in an anti-clockwise direction then faced the polyclinic. What angle has she turned?

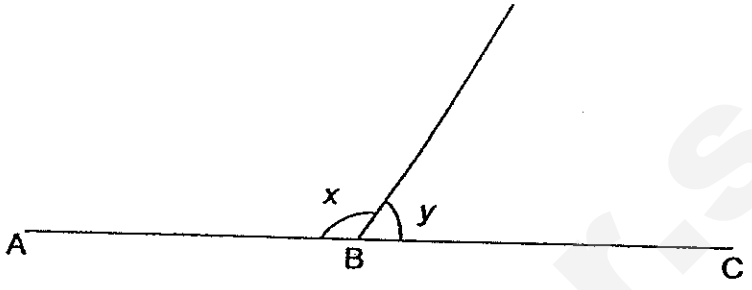
Ans: _____

18. Given that $\angle ABC = 115^\circ$, draw the angle and label it.
The line AB has been drawn for you.

A _____ B

Score:

19. ABC is a straight line. $\angle x$ is twice the size of $\angle y$. Find the value of $\angle y$.



Ans: _____ °

20. Study the number pattern BELOW.
What is the missing number in the box?

15 803 , 15 903 , [?] , 16 103 , 16 203 , 16 303

Ans: _____

21. What is the missing number in the box?

560 x 20 = 11 000 + [?]

Ans: _____

Score: [ ]

22. Sean gave $\frac{1}{5}$ of his marbles to his brother. Sean then had 224 marbles left. How many marbles did he have at first?

Ans: _____

23. June cut a cake into equal slices. She ate $\frac{1}{2}$ of the cake and her sister ate $\frac{1}{3}$ of the cake. What fraction of the cake did they eat altogether?

Ans: _____

24. Anna took 1 h 35 min to complete her homework. She completed her homework at 20 20. What time did she start doing her homework?

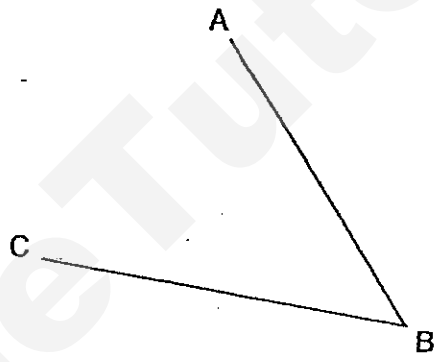
Ans: _____

Score:

25. A piece of wire is 1 m long. It is bent to form a rectangle of breadth 10 cm. Find the area of the rectangle.

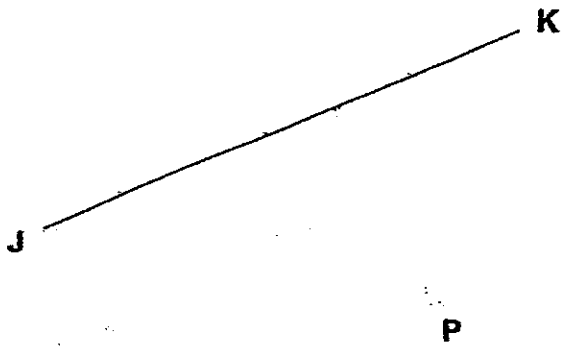
Ans: _____ cm^2

26. Measure $\angle ABC$.



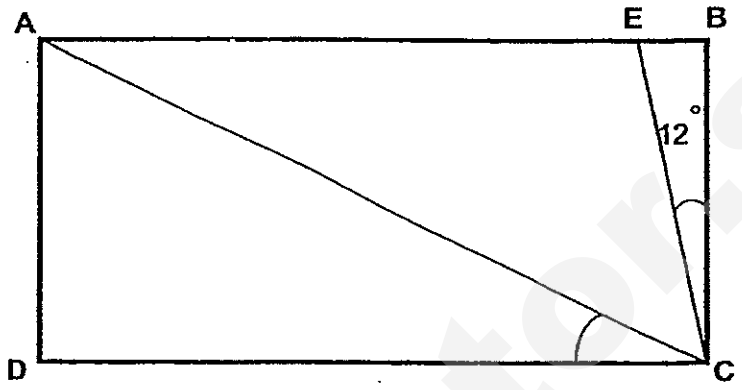
Ans: _____ °

27. Draw a line perpendicular to line JK through the point P. Label the perpendicular line as MP.



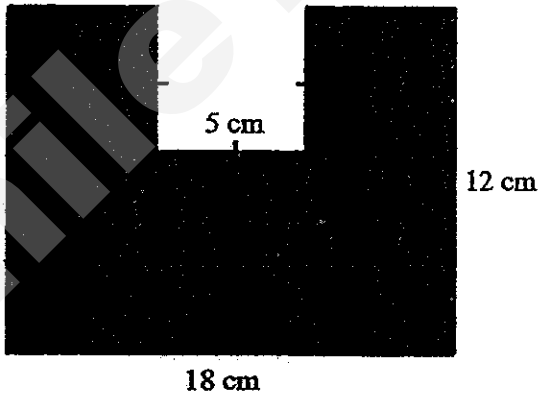
Score:

28. Figure ABCD is a rectangle. ∠DCA is 3 times the size of ∠BCE. Find ∠ACE. (The figure is not drawn to scale.)



Ans: _____ °

29. Find the perimeter of the figure shown below.



Ans: _____ cm

30. Five number cards are shown below.

9	0	6	8	3

Arrange these number cards to form the greatest 5-digit <u>odd number</u>.

Ans: _____

Score: ☐

31. Find the first common multiple of 2,3 and 5.

Ans: _____

32. The difference between two numbers is 1254. The greater number is thrice the smaller number. Find the sum of the two numbers.

Ans: _____

33. Three bags contain a total of 128 tomatoes. The first bag contains 3 more tomatoes than the second bag. The second bag contains twice the number of tomatoes as the third bag. How many tomatoes are there in the third bag?

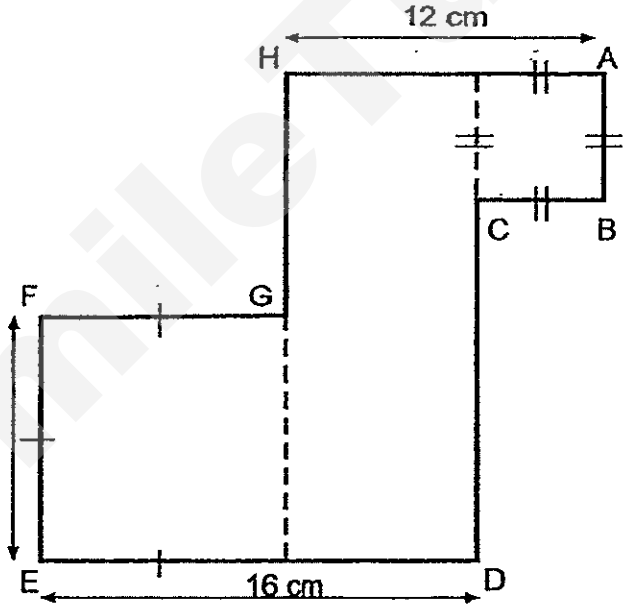
Ans: _____

Score: ☐

34. Mrs Lim bought $\frac{3}{10}$ kg of lychees. Mrs Singh bought $\frac{1}{5}$ kg more than Mrs Lim. Mdm Ani bought $\frac{1}{2}$ kg more than Mrs Singh. How many kilograms of lychees did Mdm Ani buy?

Ans: _____ kg

35. Study the diagram and find the length of AB.



_____ cm

Score:

Section C : (30 marks)

Read the following problem sums carefully. You may draw models to help you. Show all workings clearly and write your answers in the spaces provided.

36. The total cost of a television, a refrigerator and an oven is $2500. The television cost $198 less than the refrigerator but $224 more than the oven. Find the cost of the refrigerator.

Ans: _____ [4]

Score:

37. Mr Ng baked an equal number of muffins daily from Monday to Thursday. He baked 800 muffins each day on Friday and Saturday. He baked a total of 3400 muffins over the six days. How many muffins did he bake on Wednesday?

Ans: _____ [3]

38. In a class, $\frac{1}{3}$ of the pupils belong to Group A and $\frac{2}{9}$ of the pupils belong to Group B. The remaining 16 pupils belong to Group C. How many pupils are there in the class?

Ans: _____ [3]

Score: ☐

39. A bus journey from Kuala Lumpur to Singapore takes 6 h 20 min. Adam boarded the bus which left Kuala Lumpur for Singapore at 22 35. Charlie boarded another bus which left Kuala Lumpur for Singapore 30 minutes later than Adam.

(a) At what time did Charlie reach Singapore?

(b) Adam's bus was delayed by 45 minutes. What time did he reach Singapore?

Ans: (a) _____ [2]

(b) _____ [2]

Score: ☐

40. The length of a rectangle is 3 times its breadth. Given that the length of the rectangle is 24 cm,

(a) find the area of the rectangle,

(b) find the perimeter of the rectangle.

Ans: (a) _____ [2]

(b) _____ [2]

Score:

41. Three shirts and a pair of pants cost $246. Each shirt cost $50 less than the pair of pants. Find the cost of one shirt and a pair of pants.

Ans: _____ [4]

Score:

42. Cindy has 15 stickers and Jenny has 61 stickers. How many stickers must Jenny give to Cindy so that Cindy will have 8 stickers more than Jenny?

Ans: _____ [4]

Score:

43. Julie read $\frac{2}{5}$ of a book on Friday, $\frac{1}{6}$ of the remaining book on Saturday and the rest on Sunday. Given that she read 18 more pages on Friday than Saturday, how many pages are there in the book?

Ans: _____ [4]

-END OF PAPER-

Setters: Mrs Wong Ser Huay
Mdm Ong Li Ling
Mdm Azida

Score:

Exam Paper 2014 Answer Sheet

School: HENRY PARK PRIMARY SCHOOL
Subject: PRIMARY 4 MATHEMATICS
Term: SA1

1)	4	6)	3
2)	4	7)	1
3)	3	8)	3
4)	2	9)	4
5)	1	10)	4

11. $2^1/_2$

12. $^1/_3$

13. (a) South
    (b) Point S

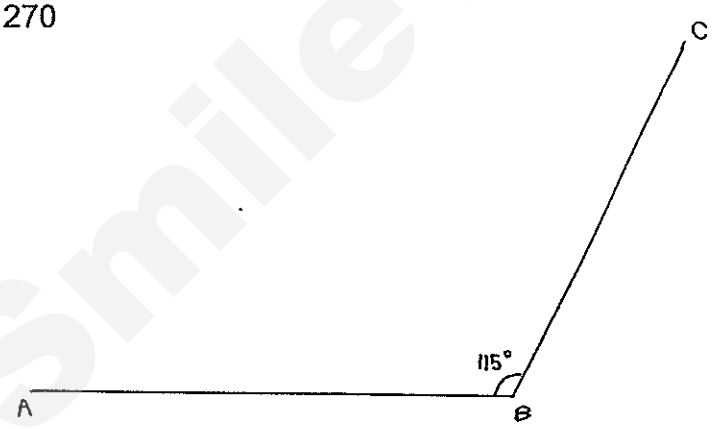
14. 6h 5 min

15. 234

16. Swimming pool

17. 270

18.



19. 60

20. 16003

21. 200

22. 280

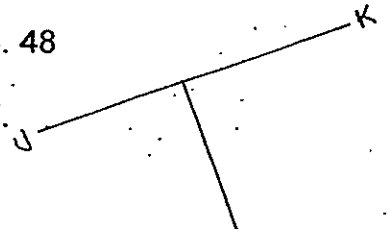
23. $^5/_6$

24. 1845

25. 400

26. 48

27.



28. 42

29. 70

30. 98603

31. 30

32. 2508

33. 25

34. 1

35. 5

36. 2500 – 198 = 2302
    2302 + 224 = 2526
    2526 ÷ 3 = 842
    842 + 198 = **$1040**

37. 2 x 800 = 1600
    3400 – 1600 = 1800
    1800 ÷ 4 = **450 muffins**

38. 16 ÷ 4 = 4
    4 x 9 = **36 pupils**

39. (a) **0525**
    (b) **0540**

40. (a) 24 ÷ 3 = 8
    8 x 24 = **192cm**
    (b) 24 x 2 = 48
    8 x 2 = 16
    16 + 48 = **64cm**

41. 246 – 50 = 196
    196 ÷ 4 = 49
    49 x 2 = 98
    98 + 50 = **$148**

42. 15 + 61 = 76
    76 ÷ 2 = 38
    38 – 11 = **27 stickers**

43. (12u – 3u) = 18
    9u → 18
    1u → 2
    30u → **60 pages**

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

MID-YEAR EXAMINATION 2014
PRIMARY 4 MATHEMATICS
BOOKLET A

Booklets A, B and C: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4_____

Date: 15 MAY 2014

40

This booklet consists of 9 printed pages including this page.

Section A: (40 marks)
For each of the following question, four options are given.
One of them is the correct answer.
Make your choice (1, 2, 3, 4). Shade the oval (1, 2, 3, 4) on the Optical Answer Sheet.

1. In 93 406 = 90 000 + $\boxed{}$ + 6
What is the missing number in the box?

(1) 34

(2) 340

(3) 3 040

(4) 3 400

2. What is the sum of 63 459 and 1 630? Round off your answer to the nearest ten.

(1) 65 000

(2) 65 080

(3) 65 090

(4) 65 100

3. Which one of the following numbers is the largest?

(1) 33 905

(2) 33 950

(3) 33 095

(4) 33 059

(Go on to the next page)

4. Which one of the following numbers has 4 and 6 as its factors?

(1) 12

(2) 16

(3) 18

(4) 20

5. Jill needs to guess a number. She is told that it is a multiple of 4.
If 6 is added to this number, it becomes a multiple of 5.
What is this number?

(1) 24

(2) 28

(3) 36

(4) 40

6. Which one of the following numbers is 6 750 when rounded off to the nearest ten?

(1) 6 649

(2) 6 700

(3) 6 745

(4) 6 755

(Go on to the next page)

7. There are 35 pupils in each class. If there are 42 classes in the school, how many pupils are there in the school?

(1) 210

(2) 336

(3) 1 260

(4) 1 470

8. Which one of the following statements gives the same answer as 100 x 25?

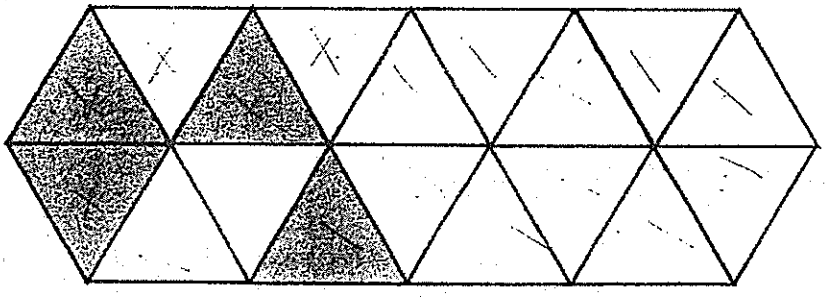
(1) 100 x 25 x 100 x 25

(2) 100 x 2 + 100 x 5

(3) 100 x 20 x 100 x 5

(4) 100 x 10 + 100 x 10 + 100 x 5

9. The figure shown is made up of identical triangles. How many more triangles must be shaded so that $\frac{5}{9}$ of the figure is shaded?



(1) 1

(2) 4

(3) 6

(4) 10

(Go on to the next page)

Use the table below to answer questions **10**, **11** and **12**.
The table shows the number of pies brought by 3 children to their class party.

	Number of chicken pies	**Number of beef pies**
Mei Lin	12	?
Siti	30	15
Muthu	?	25
Total	50	50

10. How many chicken pies did Muthu bring?

(1) 8

(2) 12

(3) 18

(4) 20

11. How many more pies did Siti bring than Mei Lin?

(1) 18

(2) 23

(3) 33

(4) 45

12. At the class party, there were 5 teachers and 38 pupils. The teachers each ate 1 pie while the pupils each ate 2 pies. How many pies were left?

(1) 19

(2) 24

(3) 76

(4) 81

13. Express $\frac{17}{3}$ as a mixed number.

(1) $1\frac{7}{3}$

(2) $1\frac{13}{17}$

(3) $5\frac{2}{3}$

(4) $7\frac{1}{3}$

14. Which one of the following fractions is less than $1\frac{1}{4}$?

(1) $\frac{3}{2}$

(2) $\frac{4}{3}$

(3) $\frac{5}{4}$

(4) $\frac{6}{5}$

15. What is the missing number in the box?

$$2\frac{3}{7} = 1 + \square$$

(1) $\frac{3}{7}$

(2) $\frac{10}{7}$

(3) $\frac{17}{4}$

(4) $\frac{24}{7}$

(Go on to the next page)

16. Mrs Lim baked 150 pineapple tarts. She sold $\frac{2}{5}$ of them to customer A. How many pineapple tarts had she left?

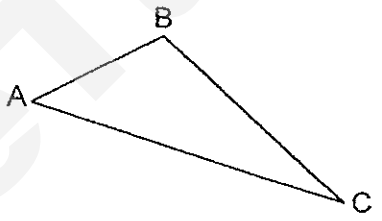
(1) 30

(2) 50

(3) 60

(4) 90

17. Measure to find the size of $\angle ABC$ in the figure below.



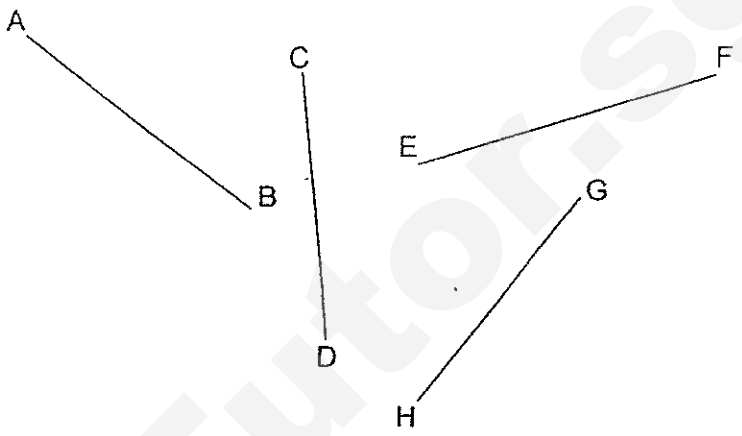
(1) 25°

(2) 45°

(3) 70°

(4) 110°

18. AB, CD, EF and GH are straight lines. Which two lines are perpendicular to each other?



(1) AB ⊥ EF

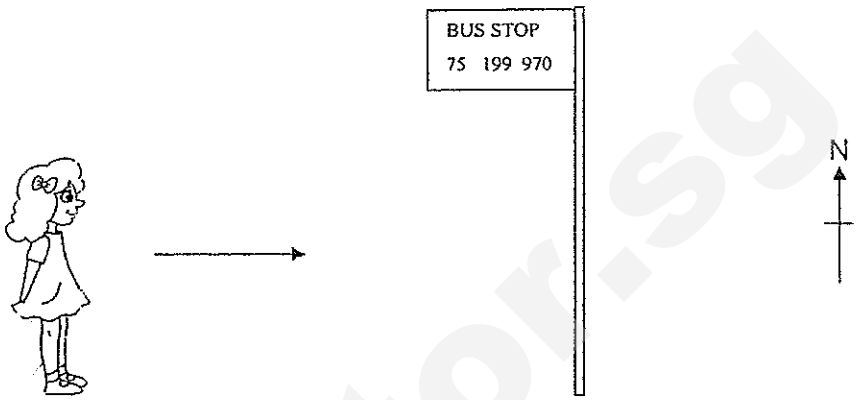
(2) AB ⊥ GH

(3) CD ⊥ EF

(4) CD ⊥ GH

(Go on to the next page)

19. Si Lin is walking towards the bus stop now. If she decides to make a $\frac{3}{4}$- turn in the anti-clockwise direction, where will she be facing?



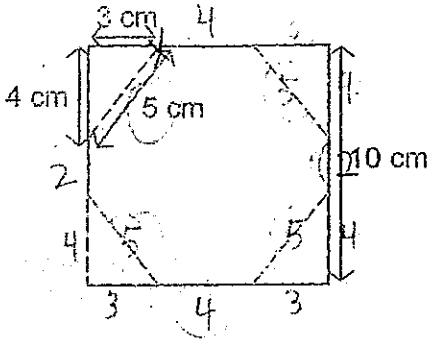
(1) North

(2) South

(3) East

(4) West

20. Joe has a square piece of paper with sides 10 cm long. He then cut out 4 identical triangles from its 4 corners. What is the perimeter of the shaded figure?



(1) 16 cm

(2) 20 cm

(3) 32 cm

(4) 40 cm

(Go on to the next page)

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

MID-YEAR EXAMINATION 2014
PRIMARY 4 MATHEMATICS
BOOKLET B

Booklets A, B and C: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4.

Date: 15 MAY 2014

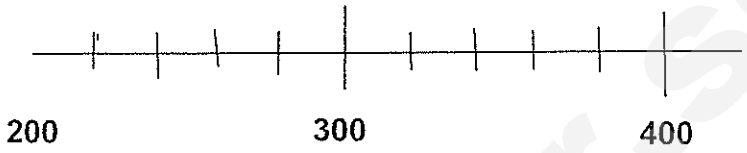
Parent's Signature: _____

BOOKLET A	40
BOOKLET B	40
BOOKLET C	20
TOTAL	100

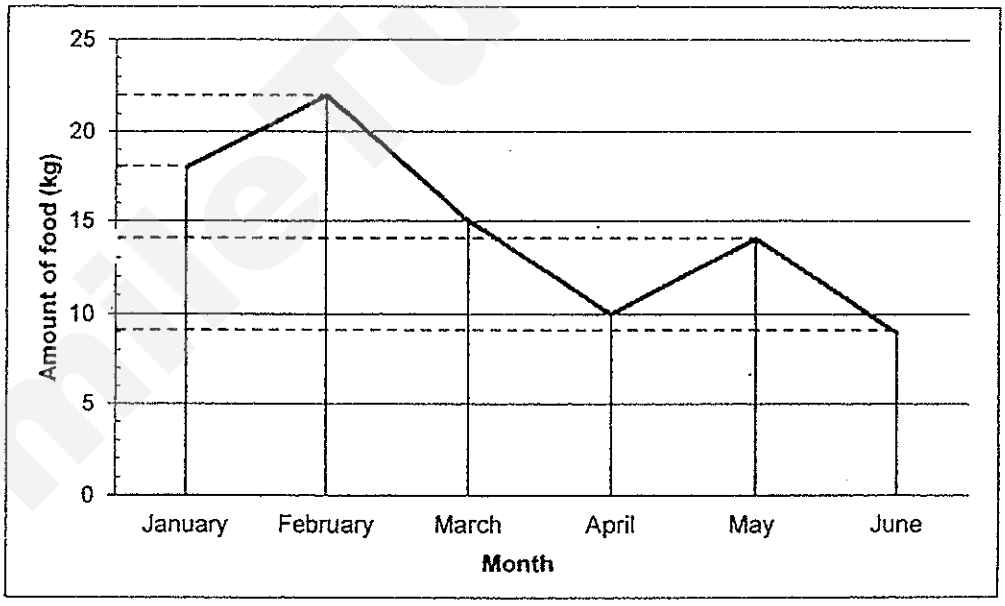
This booklet consists of 9 printed pages including this page.

Section B: (40 marks)
Write your answers in the space provided.
For questions which require units, give your answers in the units stated.

21. On the number line below,
    (a) mark the value 350 with a 'X'.
    (b) circle the answer when 350 is rounded off to the nearest hundred.



Use the information below to answer questions **22** and **23**.
The graph shows the monthly food wastage in the school canteen from January to June in 2013.



22. What was the increase in food wastage between April and May?

Ans: _____ kg

23. In which 1-month period was the decrease in wastage greatest?

Ans: From _____ to _____

(Go on to the next page)

24. Mr Ravi packed 2 314 apples equally into 8 bags. However, he found that he had some apples left. He decided to add all the leftover apples into the eighth bag. How many apples were there in the eighth bag in the end?

Ans: _____

25. Use **all** the digits 3, 4, 6, 7 and 9, to form the greatest five-digit **odd** number with the digit 3 in the thousands place.

Ans: _____

26. I have a total of 72 stamps. I want to give them away equally to a group of pupils. The number of pupils in this group is between 20 and 30. How many pupils are there in this group?

Ans: _____

(Go on to the next page)

Use the information below to answer questions **27** and **28**.
The table shows the number of Primary 4 pupils in the various Mother Tongue classes in Blackmore Primary School.

Classes	Number of boys	Number of girls	Total
Chinese	75	50	125
Malay	65	48	113
Tamil	22	?	?
Exempted*	3	10	13
Total	**165**	?	

**Pupils exempted = pupils who do not take Mother Tongue*

27. The total number of pupils taking Tamil is thrice the total number of pupils exempted from taking Mother Tongue.
What is the total number of pupils who attend Mother Tongue classes?

Ans: _____

28. What is the difference in the number of boys and girls in Blackmore Primary School?

Ans: _____

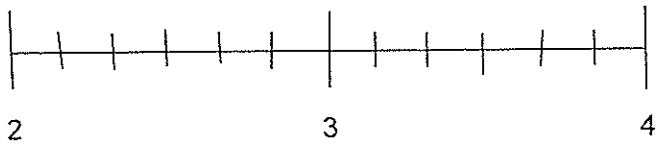
29. What is the missing number in the box?

$$8\frac{5}{12} + \frac{1}{3} = \frac{\square}{4}$$

Ans: _____

(Go on to the next page)

30. Mark $2\frac{1}{3}$ with a cross (X) on the number line below.



31. There were some markers on the table. $\frac{3}{8}$ of the markers were green. 6 markers were red and 9 were blue. How many markers were there?

Ans: _____

32. A baker had 3 kg of flour. He used $\frac{7}{8}$ kg to bake a cake and $\frac{1}{2}$ kg to bake a pie. What is the mass of flour left? Give your answer as a mixed number.

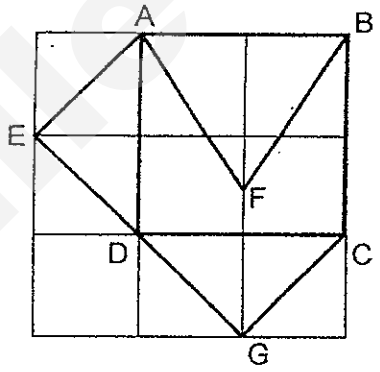
Ans: _____ kg

(Go on to the next page)

33. There were 600 books in the library. $\frac{3}{5}$ of them were fiction and the rest were non-fiction. How many more fiction books were there than non-fiction books?

Ans: _____

34. In the figure below,
(a) name a line that is parallel to AE.
(b) name a line that is perpendicular to AE.

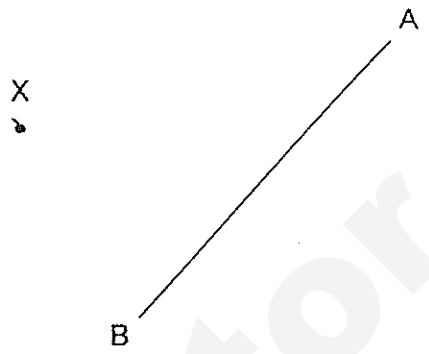


Ans: (a) AE // _____

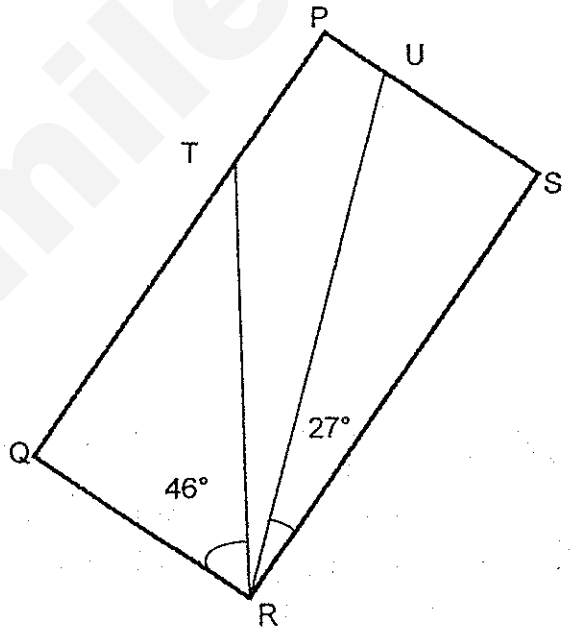
(b) AE ⊥ _____

(Go on to the next page)

35. The figure below shows a line AB and a point X.
Draw a line perpendicular to line AB, passing through point X.
Mark the angle.



36. In the figure shown below, PQRS is a rectangle.
$\angle TRQ = 46°$ and $\angle SRU = 27°$. Find $\angle TRU$.



Ans: _____

(Go on to the next page)

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

MID-YEAR EXAMINATION 2014
PRIMARY 4 MATHEMATICS
BOOKLET C

Booklets A, B and C: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

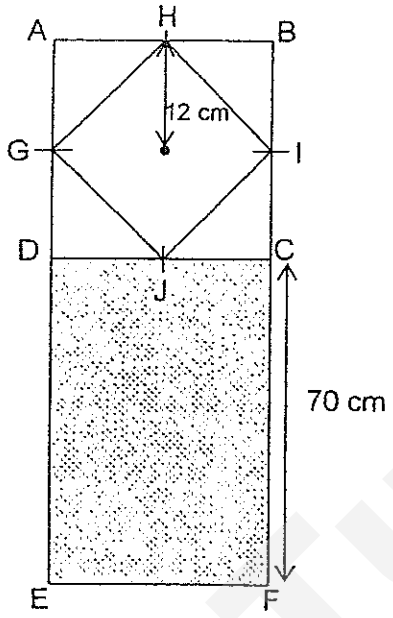
Class: Primary 4. _____

Date: 15 MAY 2014

20

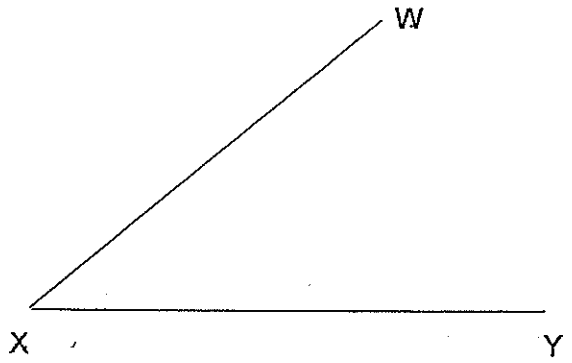
This booklet consists of 6 printed pages including this page.

37. The figure below is made up of Square ABCD, Square GHIJ and Rectangle CDEF.
What is the perimeter of the shaded part?



Ans: _____ cm

38. The figure below shows two straight lines WX and XY.
Draw ∠WXZ = 150°.
Mark and label the angle.



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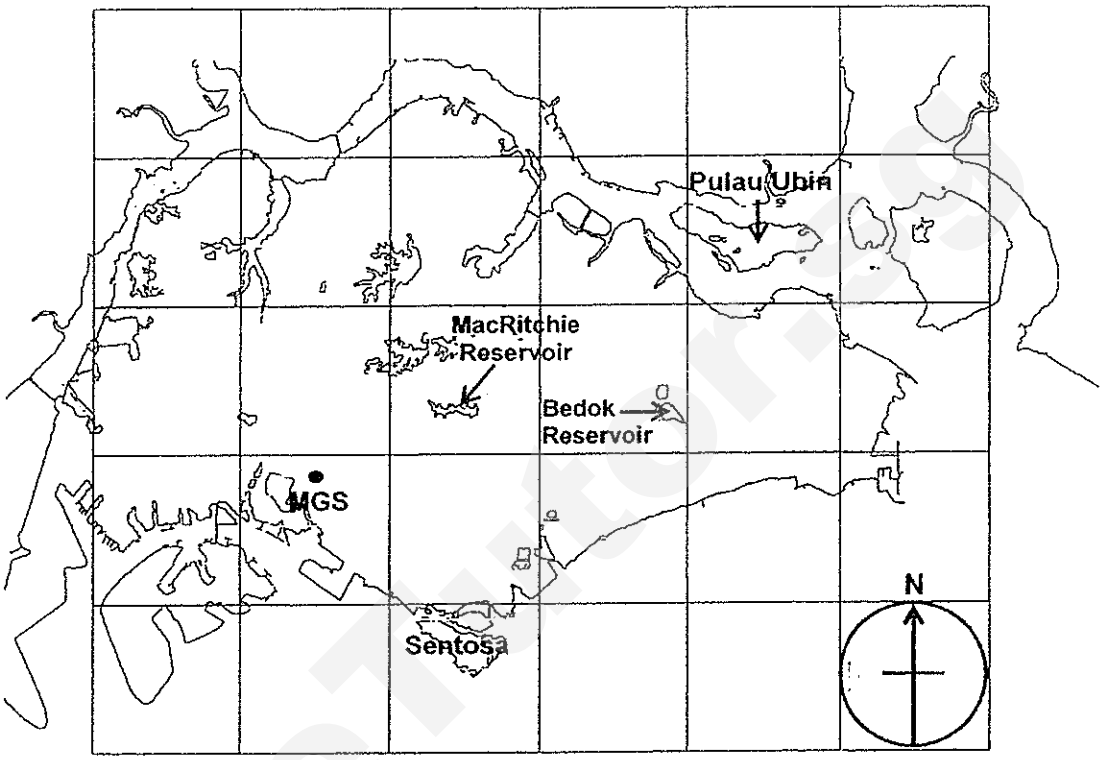
The picture below shows the map of Singapore, with several locations indicated. Use the grid and compass to help you answer questions **39** and **40**.



39(a). MacRitchie Reservoir is north-east of _____

Fill in the blanks with the correct location.

(b) In what direction is Bedok Reservoir from MacRitchie Reservoir?

Ans:(a) _____

(b) _____

40. Mr Ng is in Methodist Girls' School (MGS). He is facing the direction of Sentosa. He turns in a clockwise direction to face Pulau Ubin. How many right-angle turns did he make?

Ans: _____

(Go on to the next page)

Section C: (20 marks)
Show your working clearly in the space provided for each question and write your answers in the space provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question.

41. A fruiterer bought 360 oranges. He bought 175 more apples than oranges and 50 fewer pears than oranges.

    (a) How many fruits did he buy in all?

    (b) He packed the oranges into boxes. Each box contained 48 oranges. How many boxes would he need in order to contain all the oranges?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

42. An aquarium was $\frac{5}{12}$ full. Mr Lim poured 28 ℓ of water into the tank to fill it to the brim. How much water was in the tank at first?

Ans: _____ [4]

(Go on to the next page)

43. Liming had $90 more than Gopal. Liming spent $20, while Gopal spent $10. Liming now had twice as much money as Gopal.

(a) How much more money did Liming have than Gopal in the end?

(b) How much money did both of them have together at first?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

44. Alice bought 5 rings and 2 necklaces for \$1927. The necklace costs \$176 more than a ring.
(a) How much did she pay for one ring?
(b) How much did she pay for one necklace?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

45. Raju earned \$2800. He spent $\frac{1}{5}$ of his salary on transport and \$1 400 on food.

(a) How much did he spend on transport and food?

(b) What fraction of his salary had he left? Give your answer in the simplest form.

Ans: (a) _____ [2]

(b) _____ [2]

END OF PAPER

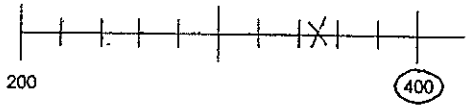
EXAM PAPER 2014
LEVEL : PRIMARY 4
SCHOOL : MGS
SUBJECT : MATHS
TERM : SA1

Section A:

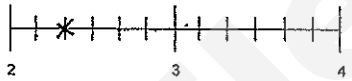
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	3	2	1	1	3	4	4	3	1
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
2	1	3	4	2	4	4	2	2	3

Section B:

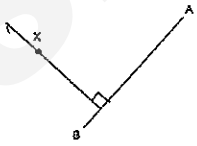
Q21



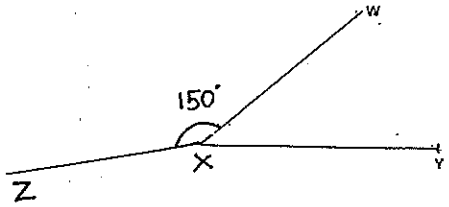
Q22 4 kg
Q23 February to March
Q24 291
Q25 93647
Q26 24
Q27 277
Q28 40
Q29 35
Q30



Q31 24
Q32 $1\frac{5}{8}$
Q33 120
Q34 (a) CG
(b) ED
Q35



Q36 17°
Q37 188 cm
Q38



Q39 (a) MGS
(b) East
Q40 3

Section C

Q41 (a) 360 – 50 = 310
360 x 2 = 720
720 + 310 = 1030
1030 + 175 = **1205**

(b) 360 ÷ 48 = 7R24 ≈ **8**

Q42 $28\ell \div 7 = 4\ell$
$4\ell \times 5 =$ **20ℓ**

Q43 (a) \$70 + \$10 = \$80
1 unit → **\$80**

(b) 3 unit → \$80 x 3 = \$240
\$240 + \$30 = **\$270**

Q44 (a) \$176 x 2 = \$352
\$1927 – \$352 = \$1575
\$1525 ÷ 7 = **\$225**
(b) \$225 + \$176 = **\$401**

Q45 (a) $\frac{1}{9}$ x \$2800 = \$560
\$1400 + \$560 = **\$1960**
(b) \$2800 – \$1960 = \$840
$\frac{890}{2800} = \frac{3}{10}$

NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2014
PRIMARY 4
MATHEMATICS

Duration: 1 h 45 minutes

INSTRUCTION TO CANDIDATES

1. **Write your name and index number in the space provided.**
2. **Do not turn over the page until you are told to do so.**
3. **Follow all instructions carefully.**
4. **Answer all questions.**
5. **Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1 - 20.**

Marks Obtained

Section A		/ 40
Section B		/ 40
Section C		/ 20
Total		/ 100

Name : _____ ( )

Class : Pr 4 _____

Date : 12 May 2014 **Parent's Signature :**_____

Section A (20x2marks)

Questions 1 to 20 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4). Shade the correct oval on the OAS (40marks).

1. A number is 400 when rounded off to the nearest ten. What could the number be

   (1) 389
   (2) 394
   (3) 399
   (4) 414 ( )

2. Which of the following is a multiple of 3?

   (1) 127
   (2) 288
   (3) 347
   (4) 564 ( )

3. What is the remainder when 519 is divided by 5?

   (1) 1
   (2) 2
   (3) 3
   (4) 4 ( )

4. How many **hundreds** are there in the <u>product</u> of 4 and 500?

   (1) 20
   (2) 2
   (3) 200
   (4) 2 000 ( )

5. Which one of the following numbers has factors of 2, 3 and 5?

(1) 40
(2) 50
(3) 60
(4) 70 ( )

6. The difference between 2 numbers is 10. The bigger number is 3 times the smaller number. What is the bigger number?

(1) 12
(2) 15
(3) 20
(4) 30 ( )

7. Which of the following fractions below is the **greatest** ?

(1) $\frac{1}{2}$
(2) $\frac{1}{3}$
(3) $\frac{1}{4}$
(4) $\frac{1}{5}$ ( )

8. Arrange the following fractions from the smallest to the greatest.

$$\frac{2}{3}, \frac{1}{2}, \frac{1}{4}, \frac{5}{12}$$

(1) $\frac{2}{3}, \frac{1}{4}, \frac{1}{2}, \frac{5}{12}$

(2) $\frac{2}{3}, \frac{1}{2}, \frac{5}{12}, \frac{1}{4}$

(3) $\frac{1}{2}, \frac{2}{3}, \frac{1}{4}, \frac{5}{12}$

(4) $\frac{1}{4}, \frac{5}{12}, \frac{1}{2}, \frac{2}{3}$ ( )

9. $\frac{2}{3}$ of a number is 12. What is the number?

(1) 8

(2) 18

(3) 24

(4) 36 ( )

10. After eating 2 sweets from the packet shown below , Jan had 10 sweets left. What fraction of the original packet of sweets had she eaten?

(1) $\frac{1}{5}$

(2) $\frac{4}{5}$

(3) $\frac{1}{6}$

(4) $\frac{5}{6}$ ( )

11. How many thirds are there in 6 wholes?

(1) 9

(2) 10

(3) 3

(4) 18 ( )

12. In $1\frac{2}{3} = \frac{\square}{9}$, what is the missing number in the box?

(1) 6

(2) 9

(3) 11

(4) 15 ( )

13. How many right angles are there in a $\frac{3}{4}$- turn ?

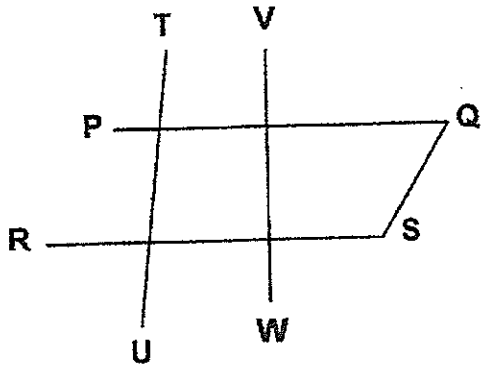
(1) 1

(2) 2

(3) 3

(4) 4 ( )

14.



In the figure above, Line RS is perpendicular to line _____.

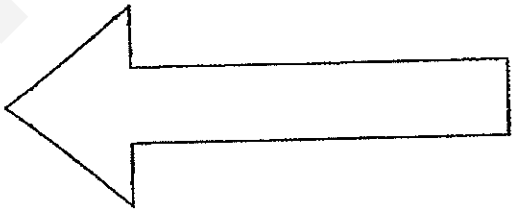
(1) PQ

(2) TU

(3) VW

(4) QS ( )

15. How many angles inside this figure are smaller than a right angle ?



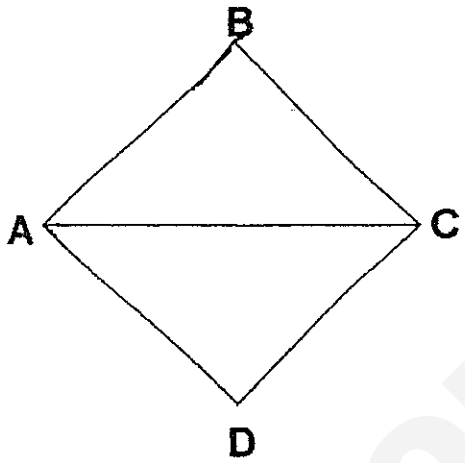
(1) 1

(2) 2

(3) 3

(4) 4 ( )

16 The figure ABCD is a square. What is angle BAC?



(1) 30°

(2) 45°

(3) 60°

(4) 90° ( )

17. I am facing north. If I turn 45° anti-clockwise, where will I be facing ?

(1) north-east

(2) north-west

(3) south-east

(4) south-west ( )

18. The perimeter of a rectangle is 10 cm. The breadth is 2 cm, what is its length?

(1) 12 cm

(2) 8 cm

(3) 3 cm

(4) 6 cm ( )

19. Which of the following has the **largest** area?

(1) A square of side 4 cm

(2) A square of perimeter 20 cm

(3) A rectangle measuring 4 cm by 5 cm

(4) A rectangle measuring 6 cm by 3 cm ( )

20. The perimeter of a square is the same as its area.
What could the side of the square be?

(1) 1 m

(2) 2 m

(3) 3 m

(4) 4 m ( )

Section B (20 x 2marks)
Questions 21 to 40 carry 2 marks each. Write your answers in the spaces provided. Show your workings clearly and write the answers in the units provided.

21. Write 90 013 in words.

Answer: _____

_____

22. Form the **largest** 4-digit even number with these digits 3, 5, 7 and 8.

Answer:_____

23. What is 123 x 9 ?

Answer:_____

24. A movie ticket costs $9. Jane has $200.
What is the greatest number of movie tickets she can buy?

Answer:_____ movie tickets

25. What is the sum of the first 2 multiples of 8 ?

Answer:_____

26. The perimeter of a rectangle is 24 cm. If the length is twice its breadth, what is the breadth of the rectangle?

Answer: _____cm

27. The area of a square is 9 m^2. What is its perimeter?

Answer: _____m

28. Amos was given \$27. He spent $\frac{1}{3}$ of it on food. How much money did he spend?

Answer: \$_____

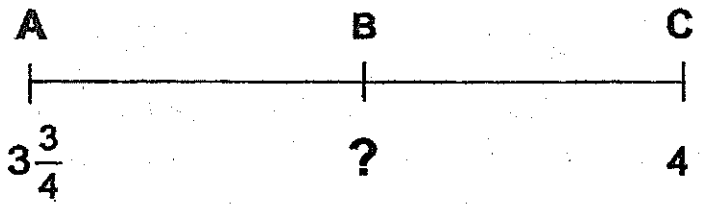
29. What is the value of $1\frac{1}{4}+\frac{2}{3}$?

Answer: _____

30. Express $3\frac{1}{4}$ as an improper fraction.

Answer: _____

31



B is exactly midway between A and C on the number line. What is B ? (Give your answer in fraction.)

Answer: _____

32. There are 5 bicycles and tricycles. There are 12 wheels in all.
How many bicycles and how many tricycles are there ?

Answer: _____bicycles

_____tricycles

33. Ken had some marbles. He lost 5 marbles and bought another 8 marbles.
In the end, he had 28 marbles. How many marbles had he at first?

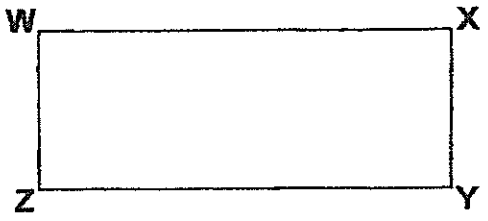
Answer: _____ marbles

34. Mother has some chocolates. If she gives 2 chocolates each to her children, she will have 3 chocolates left. If she gives 3 chocolates each to her children, she will have 1 short. Find the number of children and the number of chocolates.

Answer: _____ children

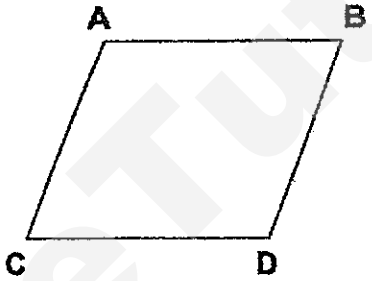
_____ chocolates

35. How many pairs of perpendicular lines are there in Rectangle WXYZ ?



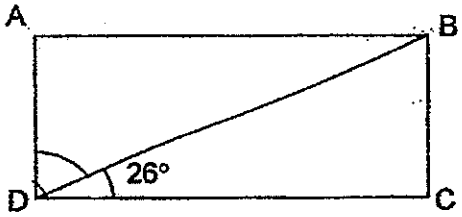
Answer: _____ pairs

36. Line _____ is parallel to Line BD



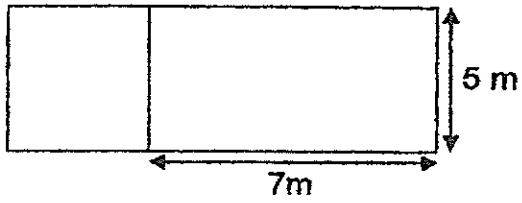
Answer: Line _____

37. ABCD is a rectangle. Find the value of ∠ BDA.
(The figure is not drawn to scale.)



Answer:_____ °

38. The figure below is made up of a square and rectangle. What is its perimeter?

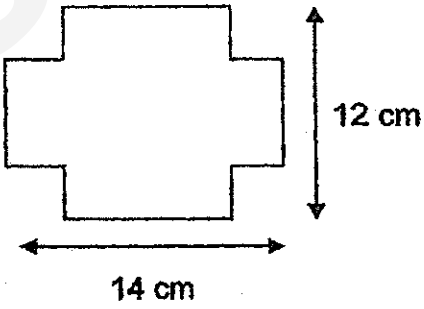


Answer: _____m

39. What is the **smallest** area of a rectangle that can be formed with a wire 12 cm long? (All measurements are in whole numbers)

Answer: _____cm^2

40. A square of 2cm is cut from each corner of a rectangle 14 cm by 12cm.



What is the perimeter of the figure?

Answer: _____cm

Section C (20 marks)

Do the following sums carefully. All statements, workings and units must be clearly shown.

41. Mike and Sam collected 1 600 stickers altogether.
Sam collected 120 stickers more than Mike. How many stickers did Sam collect?

42. A microwave oven costs $386. A washing machine costs $690 more than the microwave oven. What is the total cost of the two items ?

45. At a children's camp, 40 children were put into groups of 5.
Each child was given 2 buns. Each group was also given 3 extra buns.
How many buns were given out altogether?

44. Mrs Seto had \$280. She spent $\frac{3}{5}$ of it on a pair of pants and \$99 on a dress.
How much money had she left ?

45. Fanny had $240 more than George. Henson had twice as much money as George. The 3 children have $980 altogether. How much money does Henson have?

Year: 2014

Level: Primary 4

School: Nan Hua Primary School

Subject: Mathematics

Semester: SA1

Section A:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	4	1	3	2	1	4	2	3
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
4	4	3	3	3	2	2	3	2	4

Section B:

Q21) Ninety thousand and thirteen

Q22) 7538

Q23) 1107

Q24) 22

Q25) 24

Q26) 4

Q27) 12

Q28) 9

Q29) 1 11/12

Q30) 13/4

Q31) 3 7/8

Q32) 3 bicycles , 2 tricycles

Q33) 25

Q34) 4 children, 11 chocolates

Q35) 4

Q36) AC

Q37) 64

Q38) 34

Q39) 5

Q40) 52

Section C:

Q41) Sam collected 860 stickers.

Q42) The total cost of the two items is $1462.

Q43) 104 buns were given out altogether.

Q44) She has $13 left.

Q45)Henson has $370.

NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION 2014

PRIMARY 4

MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	/ 30
Section B	/ 40
Section C	/ 30

Total: /

Name: _____ ( )

Class: Primary 4 ( )

Date: 9 May 2014

Any query on marks awarded should be raised by 20 May 2014. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

Section A

Questions 1 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(Total: 30 marks)

1. Which one of the following numbers when rounded off to the nearest ten is 5000?

(1) 4958 (2) 4996

(3) 5005 (4) 5009

2. Which one of the following numbers is <u>not</u> a factor of 64?

(1) 1 (2) 8

(3) 3 (4) 64

3. Which one of the following pairs of numbers is the common factors of 18 and 50?

(1) 1 and 2 (2) 2 and 5

(3) 3 and 6 (4) 5 and 6

4. What is the quotient of 3048 ÷ 6?

(1) 58 (2) 507

(3) 508 (4) 580

5. Express $\frac{106}{8}$ as a mixed number in its simplest form.

(1) $12\frac{1}{2}$ (2) $13\frac{1}{4}$

(3) $15\frac{3}{4}$ (4) $17\frac{2}{3}$

6. Find the sum of $2\frac{1}{8}$ and $\frac{3}{8}$.

(1) $\frac{1}{2}$ (2) $1\frac{3}{4}$

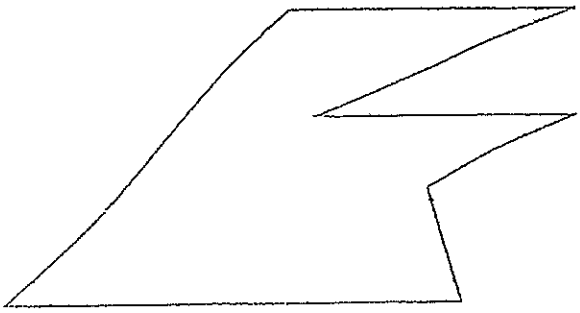
(3) $2\frac{1}{4}$ (4) $2\frac{1}{2}$

7. How many eighths are there in $3\frac{1}{4}$?

(1) 13 (2) 2

(3) 24 (4) 26

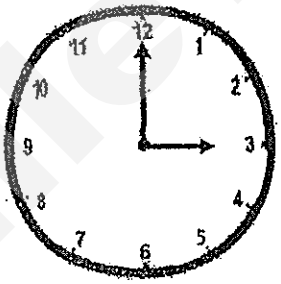
8. How many angles in the figure below is/are smaller than 90°?



(1) 1 (2) 2

(3) 3 (4) 4

9. The clock shown below was 45 minutes behind the actual time. To set the clock to the correct time, how many $\frac{1}{4}$-turn(s) must the minute hand be moved clockwise?



(1) 1 (2) 2

(3) 3 (4) 4

10. Eric had 4 boxes of game cards. Each box contained an equal number of game cards. How many game cards did Eric have?

(1) 36 (2) 58

(3) 82 (4) 94

11. Steven packed some mangoes into 15 boxes. Each box had 24 mangoes. After packing, he still had 18 rotten mangoes left. How many mangoes did he have at first?

(1) 90 (2) 342

(3) 360 (4) 378

12. Bala has 285 muffins. He wants to keep them in similar boxes and each box can hold 9 muffins. What is the least number of boxes needed to keep all his muffins?

(1) 31 (2) 32

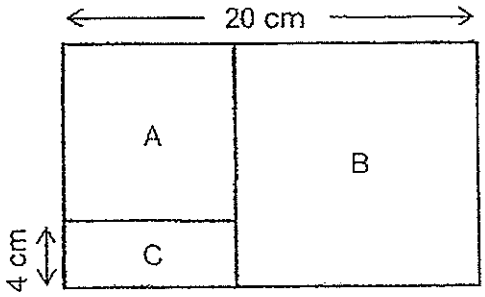
(3) 276 (4) 2565

13. Judith had 63 stickers. She gave $\frac{2}{7}$ of her stickers to Tiffany and $\frac{1}{7}$ of her stickers to Belynda. How many stickers were given to Tiffany and Belynda altogether?

(1) 9 (2) 21

(3) 27 (4) 36

14. The figure below is made up of Squares A and B and Rectangle C. Find the length of Square A.



(1) 6 cm (2) 8 cm

(3) 10 cm (4) 12 cm

15. Study the number pattern below. What is the missing number in the blank?

115 , 120 , 360 , ___ , 1095 , 1100 , 3300

(1) 365 (2) 605

(3) 1080 (4) 1090

Section B

Questions 16 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(Total: 40 marks)

16. What does the digit 7 in 78 012 stand for?

Answer : _____

17. Write 44 990 in words.

Answer : _____

18. List all the factors of 27.

Answer : _____

19. Estimate the value of 6389 ÷ 8 by first rounding off 6389 to the nearest hundred.

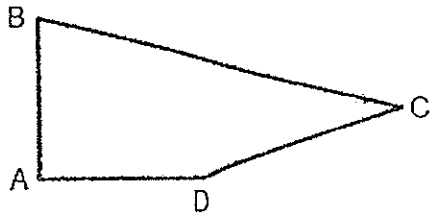
Answer : _____

20. Arrange the following numbers, from the greatest to the smallest.

50 213 , 55 312 , 50 123 , 55 321

Answer : _____ , _____ , _____ , _____

21. In the figure ABCD shown below, name the angle that is bigger than 90°

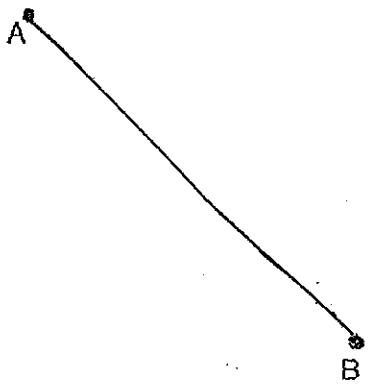


Answer : ∠_____

22. There is a total of 54 pens in a drawer. $\frac{1}{6}$ of the pens are blue and the remaining are red. How many red pens are in the drawer?

Answer : _____

23. Using the line AB given below, construct an angle such that ∠ABC = 75°. Mark and label the angle.



24. The number of fishballs that Mr Azman has is between 30 to 60. The fishballs can be put into packets of 3 or 7 with no fishball left. How many fishballs does he have?

Answer : _____

25. Mrs Koh bought 4 kg of rice. Mrs Foo bought $1\frac{1}{6}$ kg less rice than Mrs Koh. How many kilogrammes of rice did both of them buy?

Express your answer as a mixed number.

Answer : _____ kg

26. Chloe had $\frac{7}{9}$ *l* of the paint left after spilling $\frac{1}{3}$ *l* of the paint. How much paint did she have at first? Express your answer as a mixed number.

Answer : _____ *l*

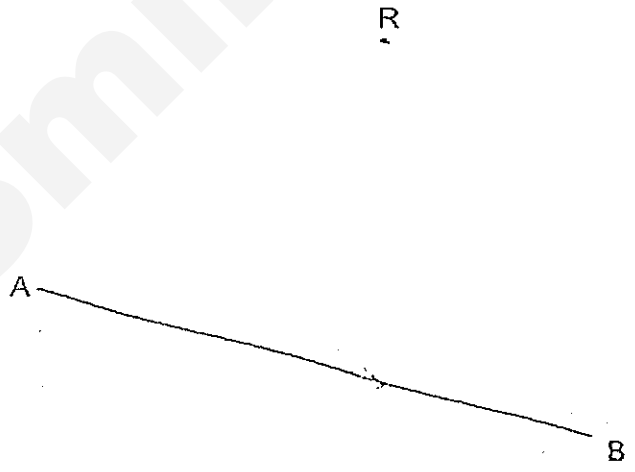
27. A pole is $1\frac{4}{5}$ m long. $\frac{1}{5}$ m of it is painted green and $\frac{2}{3}$ m of it is painted black. What is the length of the pole that is not painted?

Answer : _____ m

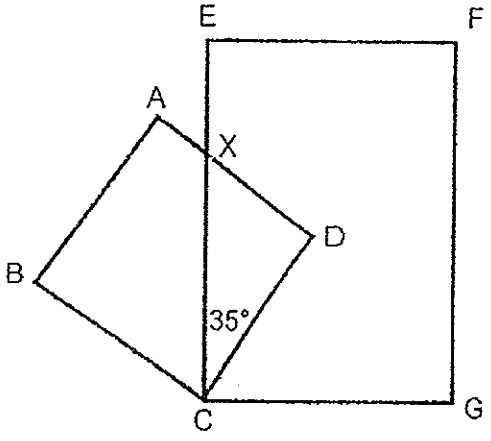
28. Brandon is $2\frac{3}{4}$ years old this year. His father is 12 times as old as him. How old is his father this year?

Answer : _____

29. AB is a straight line.
Draw and label a line CD through point R such that AB // CD.



30. The figure below is made up of a square ABCD and a rectangle CEFG. $\angle XCD$ is 35° Find the value of $\angle BCG$.



Answer : _____°

31. A whole number when rounded off to the nearest hundred is 2500. What is the greatest possible number?

Answer : _____

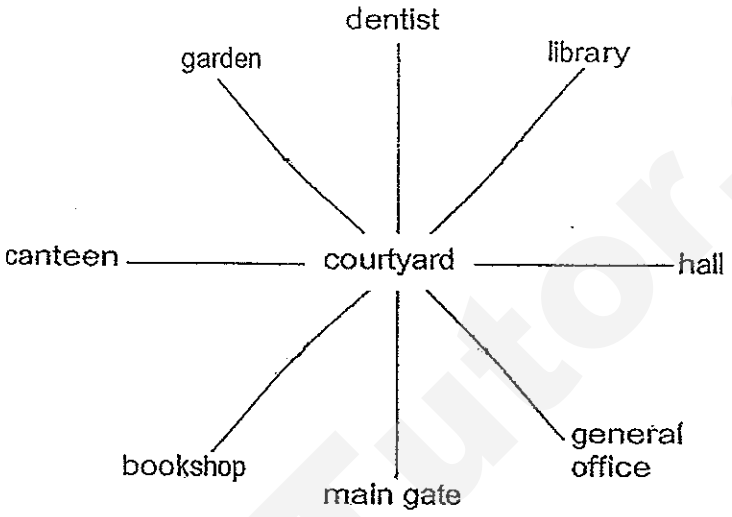
32. Yixin spent $\frac{1}{8}$ of his pocket money on snacks, $\frac{1}{4}$ of it on meals, $\frac{3}{8}$ of it on stationery and saved the remaining amount. What fraction of his pocket money did Yixin save? Express your answer in the simplest form.

Answer : _____

33. Lucian bought a box of marbles. He misplaced $\frac{1}{8}$ of the marbles and gave away 24 marbles to his cousin. He had $\frac{1}{2}$ of the marbles left in the end. How many marbles were in the box at first?

Answer : _____

34. Aminah was standing at the school's courtyard. After making a $\frac{3}{4}$-turn clockwise, she was facing the bookshop. Where was she facing before she made the turn?



Answer : _____

35. For every 2 shots that hit the bull's-eye on a target, Sundram will be awarded 9 points. How many shots must he hit the bull's-eye in order to get 54 points?

Answer : _____

Section C

Questions 36 to 37 carry 3 marks each and questions 38 to 43 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

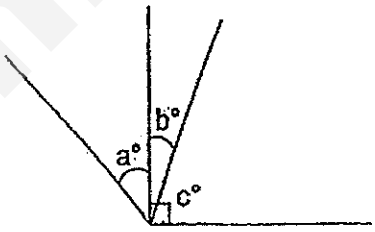
(Total: 30 marks)

36. Salleh bought 3024 oranges. For every 3 oranges he bought, one orange was rotten. After throwing away the rotten oranges, the remaining oranges were repacked into bags of 4. How many bags of oranges did he have?

Ans : _____ [3]

---

37. Study the diagram below. The sum of $\angle a$ and $\angle b$ is $\frac{2}{3}$ of $\angle c$. $\angle a$ is twice of $\angle b$. $\angle c$ is a right angle. Find the value of $\angle b$.



Ans: _____ [3]

---

38. There were some pupils in a class. After school, $\frac{1}{3}$ of them went home. Among those who stayed behind, 9 of them went to the library and the rest went to the field. On the field, 10 of them played soccer and the remaining 3 played frisbee. How many pupils were in the class?

Ans: _____ [4]

39. Daphne, Ellen and Faith bought some stickers. Daphne had 3 times as many stickers as Ellen. Ellen had twice as many stickers as Faith. Daphne had 545 more stickers than Faith. How many stickers did the 3 girls have altogether?

Ans: _____ [4]

40. Jian Wei had 4 times as many stamps as Ali. After Ali gave 642 stamps to his sister Jian Wei then had 12 times as many stamps as Ali. How many stamps did Jian Wei have?

Ans: _____ [4]

41. Muthu bought thrice as many pens as pencils. Each pen cost $3 and each pencil cost $2. Given that he spent $143 in all, how many pens did he buy?

Ans: _____ [4]

42. Alex collected 528 stamps. He sold $\frac{1}{6}$ of his stamps and gave $\frac{5}{12}$ of it to Michael. How many stamps did Alex have in the end?

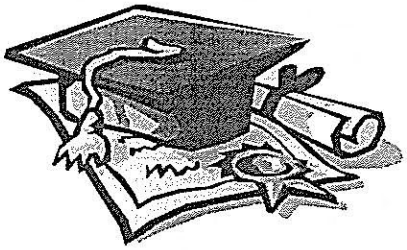
Ans: _____ [4]

---

43. A container was filled with 90 litres of oil. $\frac{2}{5}$ of the oil spilled out. The owner then refilled $\frac{3}{4}$ of the oil that was spilled out. How much oil was in the container in the end?

Ans: _____ [4]

END OF PAPER



ANSWER SHEET

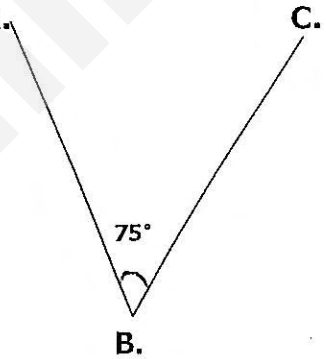
EXAM PAPER 2014
SCHOOL : NANYANG
PRIMARY : P4
SUBJECT : MATHEMATICS
TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
2	3	1	3	2	4	4	4	3	1	4	2	3	2	1

16)70000 **17)forty-four thousand, nine hundred and ninety**

18)1,3,9,27 **19)800** **20)55321, 55312, 50213, 50123** **21)∠ADC**

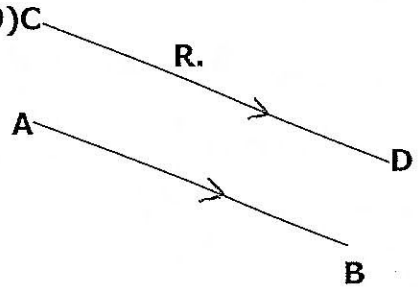
22)45 **23)**



24)42 **25)$6\frac{5}{6}$kg**

26)$1\frac{1}{9}$L **27)14/15 m** **28)33 years old**

29)



30)145° **31)2549**

32)1/8 + 2/8 = 3/8
3/8 + 3/8 = 6/8
1 – 6/8 = 2/8
2/8 → ¼

33)4/8 + 1/8 = 5/8
1 – 5/8 = 3/8
24÷3= 8
8 x 8 = 64

34)garden

35)54÷9 = 6
6 x 2 = 12

36)3024÷3 = 1008
1008 x 2 = 2016
2016÷4 = 504

37)90÷3 = 30
30 x 2 = 60
60÷3 = 20°

38)9 + 10 + 3 = 22
22÷22 = 11
11 x 3 = 33

39)545 = 2½u
2 x 2 = 4
4 + 1 = 5
545÷5 = 109
109 x 9 = 981

40)642→2u
642÷2 = 321
321 x 12 = 3852

41)39

42)528÷12 = 44
1/6 = 2/12
2/12 + 5/12 = 7/12
1 – 7/12 = 6/12
44 x 5 = 220

43)90÷5 = 18
18 x 2 = 36
90 – 36 = 54
36÷4 = 9
9 x 3 = 27
54 + 27 = 81L

RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 1
2014

Your Score Out of **100** marks	
Parent's Signature	

Name : _____ ( ) Class: P4__

8 MAY 2014 MATHEMATICS Duration: 1 h 45 min

SECTION A (25 marks)

Question 1 to 5 carry 1 mark each. Question 6 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade your answer (1, 2, 3 or 4) on the OAS provided.

---

1. What is the value of the digit 4 in 14 100?

   (1) 4000
   (2) 400
   (3) 40
   (4) 4

2. Round off 13 385 to the nearest tens.

   (1) 13 000
   (2) 13 380
   (3) 13 390
   (4) 13 400

3. The mass of a container is 3 kg. What is its mass in grams?

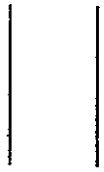
   (1) 30 g
   (2) 300 g
   (3) 3 000 g
   (4) 30 000 g

4. Which of the following shows a pair of perpendicular lines?

(1)

(2)

(3)



(4)

5. Convert 10 m to cm.

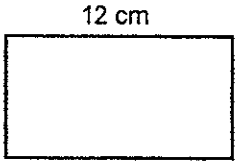
(1) 10 cm

(2) 100 cm

(3) 1 000 cm

(4) 10 000 cm

6. The perimeter of the rectangle below is 44 cm.
Given that its length is 12 cm, find its breadth.



(1) 10 cm

(2) 16 cm

(3) 20 cm

(4) 32 cm

7. There are 7 candies in each goodie bag.
How many candies are there in 707 goodie bags?

(1) 101

(2) 714

(3) 4 949

(4) 5 019

8. Multiply 450 by 2 tens. The answer is _____.

(1) 90

(2) 900

(3) 9 000

(4) 90 000

9. How many quarters are there in $2\frac{1}{4}$?

(1) 7

(2) 2

(3) 8

(4) 9

10. Find the sum of $\frac{1}{3}$ and $\frac{1}{9}$.

(1) $\frac{1}{12}$

(2) $\frac{1}{6}$

(3) $\frac{2}{9}$

(4) $\frac{4}{9}$

11. Maxim has 2 778 stickers while Cindy has 3 313 stickers.
How many stickers do they have altogether?

(1) 5 081

(2) 5 091

(3) 6 081

(4) 6 091

12. What is the sum of all the factors of 10?

(1) 11

(2) 17

(3) 18

(4) 4

13. What is the difference between the second multiple and the fifth multiple of 5?

(1) 5

(2) 15

(3) 3

(4) 35

14. Jenny had twice as much money as Katherine.
Katherine had twice as much money as Lina.
Given that they had $1960 altogether, how much money did Katherine have?

(1) $280

(2) $392

(3) $560

(4) $784

15. There are 84 beads.
$\frac{2}{7}$ of them are red and the rest are green.
What is the difference between the number of red and green beads?

(1) 12

(2) 24

(3) 36

(4) 60

SECTION B (40 marks)

Question 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Marks will be awarded for relevant working.

---

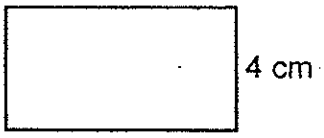
16. Dinesh wanted to exchange \$3 to all 20¢ coins.
How many 20¢ coins would he have?

Ans: _____

17. There are 125 rows of seats in a theatre. Each row consists of 18 seats.
What is the total number of seats in the theatre?

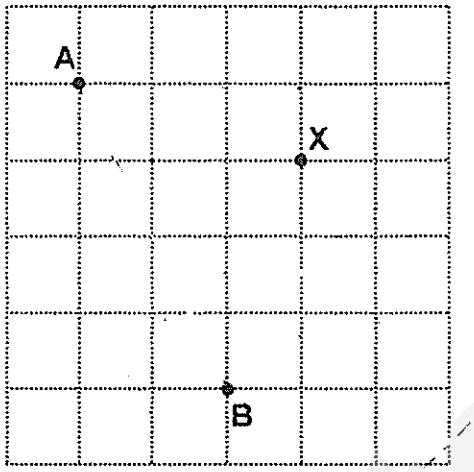
Ans: _____

18. Given that the area of the rectangle is 64 cm^2 and its breadth is 4 cm, find its length.

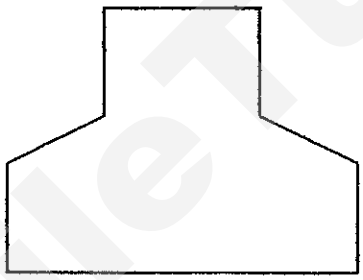


Ans: _____ cm

19. In the grid below, draw a line that is parallel to the line AB and passes through the point marked 'X'.

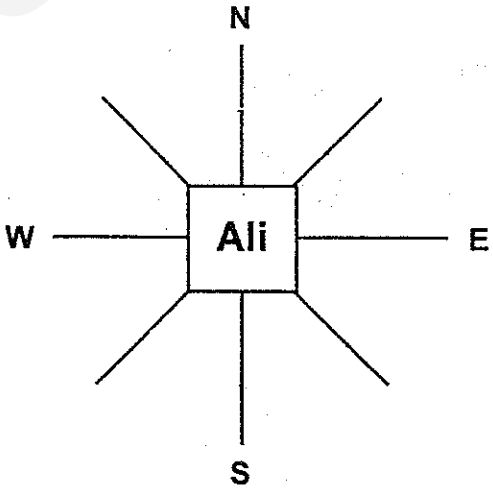


20. How many right angles are there in the figure?



Ans: _____

21. After Ali made a 270° turn in a clockwise direction, he was facing south-west. Which direction was he facing at first?



Ans: _____

22. Arrange the mixed numbers in **ascending** order.

$2\frac{3}{4}$, $2\frac{2}{5}$, $1\frac{1}{4}$, $1\frac{1}{5}$

Ans: _____, _____, _____, _____

23. What is $\frac{1}{4}$ of 32?

Ans: _____

24. Round off 24 591 to the nearest hundreds.

Ans: _____

25. In 65 230,
    (a) the digit 6 stands for _____.
    (b) the digit 5 is in the _____ place.

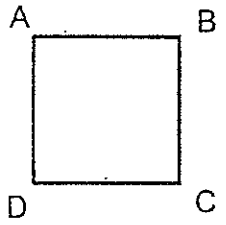
Ans: (a) _____

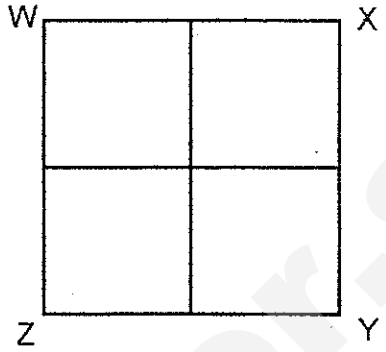
(b) _____

26. There were 215 dolls in Mini Store and 7 times as many dolls in Mega Store. Each doll was sold at $13.
How much did both stores collect altogether after selling all the dolls?

Ans: $ _____

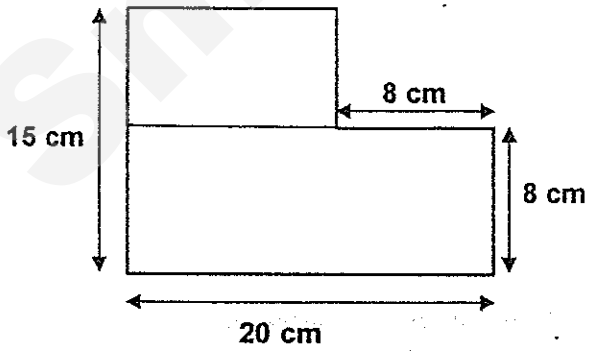
27. The perimeter of square ABCD is 100 cm.
4 such squares are used to form the figure WXYZ.
Find the perimeter of figure WXYZ.





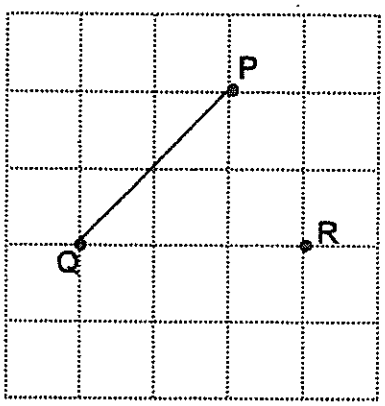
Ans: _____ cm

28. In the figure below, all the lines meet at right angles. Find its area.



Ans: _____ cm^2

29. Draw a line that is perpendicular to line PQ, passing through point R.

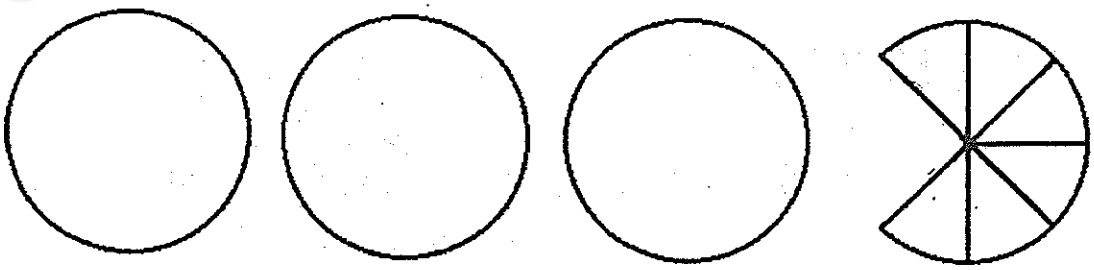


30. Study the pattern below. What comes next?

__?__

Ans: _____

31. The picture below shows the amount of cake Mrs Tan had at first. Her family ate $1\frac{1}{4}$ cakes. How much cake had she left? Express your answer in the simplest form.



Ans: _____

32. Hui Ling had $\frac{4}{5}$ kg of prawns. She sold $\frac{3}{10}$ kg of them.
How many kilograms of prawns had she left?
Leave your answer in its simplest form.

Ans: _____ kg

33. Study the number pattern below. What is the missing number?

2001 , 2002 , 2006 , 2015 , 2031 , _____ , 2092 , 2141

Ans: _____

34. Vasinthi had some bottles.
She gave her sister $\frac{2}{5}$ of the bottles and had 36 bottles left.
How many bottles did she have at first?

Ans: _____

35. 5 children, James, Khloe, Linda, Muthu and Norshina have 5 different fraction cards, $1\frac{2}{5}$, $2\frac{3}{5}$, $1\frac{4}{5}$, $4\frac{2}{5}$ and $2\frac{2}{5}$, not necessary in this order.
Khloe has the smallest card while James has the largest card.
The difference between James' card and Norshina's card is 2.
The sum of Norshina's card and Muthu's card is a whole number.
Which fraction card is Linda holding?

Ans: _____

SECTION C (35 marks)

For question 36 to 44, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

---

36. Raja and Kumar had the same amount of money at first.
After Raja spent $286 and Kumar spent $109,
Kumar had 4 times as much money as Raja.
How much money did each of them have at first?

Ans: _____ [3]

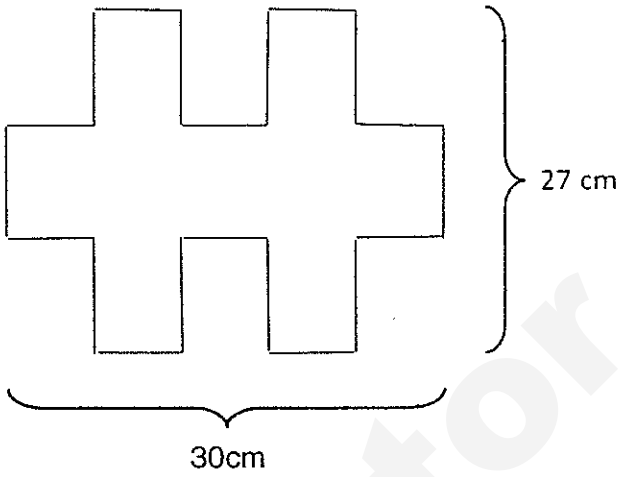
37. Marinda had $2\frac{2}{5}$ m of cloth at first. She gave $\frac{4}{5}$ m of cloth to her best friend and $1\frac{1}{5}$ m to her sister. What was the length of the cloth left?

Ans: _____ [3]

38. Shirley had 3 sisters.
After giving 1268 stickers to each sister, she had 987 stickers left. How many stickers did she have at first?

Ans: _____ [3]

39. In the figure below, all horizontal lines are equal and all vertical lines are equal. All lines meet at right angles. Find the area of the figure.



Ans: _____ [4]

40. Miss Tan bought 792 candies.
She gave away 25 candies and packed the rest of the candies in bags of 6.

(a) How many bags of 6 candies did she pack?

(b) How many candies were left unpacked?

Ans: (a) _____ [3]
(b) _____ [1]

41. Johnny had 100 twenty-cent coins.

On Day 1, he used up $\frac{1}{10}$ of his coins.

On Day 2, he used up $\frac{1}{10}$ of his coins which was left at the end of Day 1.

On Day 3, he used up $\frac{1}{9}$ of his coins which was left at the end of Day 2.

(a) How many coins did he have left at the end of Day 1?

(b) How much money was left at the end of Day 3?

Ans: (a) _____ [1]

(b) _____ [4]

42. Mary, Susan and David weigh themselves on a weighing scale. David and Susan weigh 66 kg. Mary and David weigh 70 kg. Susan and Mary weigh 64 kg. What is the mass of each pupil?

Ans: Mary _____

Susan _____

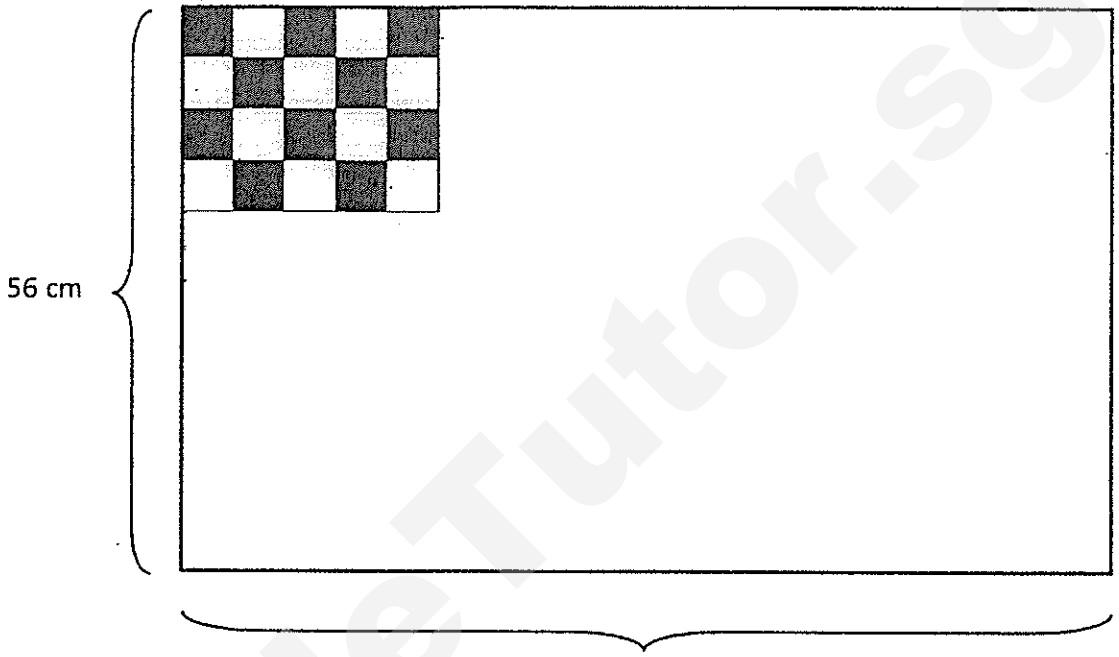
David _____

[4]

43. A rectangular piece of paper, 56 cm by 90 cm, is to be completely covered with black and white stickers, as shown in the figure below. Each sticker measures 2 cm by 2 cm. The cost of each white sticker is 5¢.

(a) By including the black stickers shown in the figure, what is the total number of black stickers required to cover the paper completely?

(b) How much do all the white stickers cost?



Ans: (a) _____ [3]

(b) _____ [2]

44. Daniel had $144 more than Ryan at first.
After Daniel gave $342 to Ryan, Ryan had 3 times as much as Daniel.
How much did they have altogether?

Ans: _____ [4]

-End of Paper-
Please check your work carefully ☺

Setters: Mr Johnson Ong
Ms Wai Sook Har

Exam Paper 2014 Answer Sheet

School: RAFFLES GIRLS' PRIMARY SCHOOL
Subject: PRIMARY 4 MATHEMATICS
Term: SA1

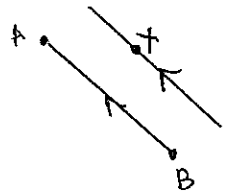
1)	1	6)	1	11)	4
2)	3	7)	3	12)	3
3)	3	8)	3	13)	2
4)	4	9)	4	14)	3
5)	3	10)	4	15)	3

16. 15

17. 2250

18. 16

19.



20. 4

21. North-west

22. $1^1/_5$, $1^1/_4$, $2^2/_5$, $2^3/_4$

23. 8

24. 24600

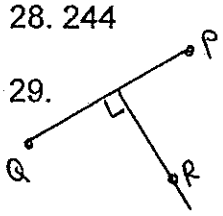
25. (a) 60000
(b) thousands

26. 22360

27. 200

28. 244

29.



30. 

31. $2^1/_2$

32. $^1/_2$

33. 2056

34. 60

35. $1^4/_5$

36. 109 + 286 = 395
286 – 109 = 177
177 ÷ 3 = 59
59 x 4 = 236
236 + 109 = **$345**

37. $2^2/_5 - {}^4/_5 - 1^1/_5 = {}^2/_5$**m**

38. 1268 x 3 = 3804
3804 + 987 = **4791**

39. 30 ÷ 5 = 6
27 ÷ 3 = 9
6 x 9 = 54
54 x 9 = **486cm^2**

40. 792 – 25 = 767
767 ÷ 6 = 127r5
(a) **127**
(b) **5**

41. (a) 100 – 10 = **90**
(b) 90 – 9 = 81
$^1/_9$ x 81 = 9
81 – 9 = 72
72 x 20 = 1440 cents = **$14.40**

42. 2D + 2S + 2M → 66 + 70 + 64 = 200
1D + 1M + 1S → 100
100 – 66 = **34kg** (Mary)
100 – 70 = **30kg** (Susan)
100 – 64 = **36kg** (David)

43. (a) 56 ÷ 2 = 28
90 ÷ 2 = 45
28 x 45 = 1260
1260 ÷ 2 = **630**
(b) 630 x 5 cents = 3150 cents = **$31.50**

44. 348 – 144 = 198
198 + 348 = 540 (2u)
540 x 2 = **$1080**

FIRST Rosyth School

~~Second~~ Semestral Assessment 2014

Mathematics

Primary 4

Total 100

Name: _____

Class: Pr 4 -_____ Register No. _____ Duration: 1h 45 min

Date: 12 May 2014 Parent's Signature: _____

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts, Sections A, B and C.
4. For questions 1 to 20 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).
5. ANSWER ALL THE QUESTIONS.

	Maximum	Marks Obtained
Section A	40	
Section B	40	
Section C	20	
Total	100	

* This paper consists of 20 pages altogether.

Section A (40 marks)
For questions 1 to 20, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals (1, 2, 3 or 4) onto the Optical Answer Sheet provided. Each question carries 2 marks.

---

1. In 74 836, the digit '8' stands for _____.

   (1) 8
   (2) 800
   (3) 8 000
   (4) 80 000

2. In which of the numbers below, does the digit '5' have the largest value?

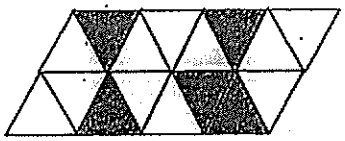
   (1) 1 532
   (2) 2 453
   (3) 15 427
   (4) 20 475

3. The product of 506 and 38 is _____

   (1) 5 516
   (2) 5 566
   (3) 19 088
   (4) 19 228

4. The figure shown is made up of identical triangles:

   What fraction of the figure is shaded?

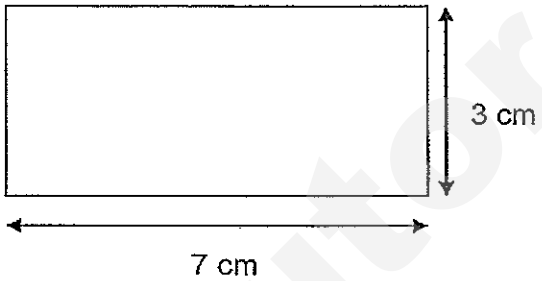
   

   (1) $\frac{5}{16}$
   (2) $\frac{5}{11}$
   (3) $\frac{11}{16}$
   (4) $\frac{11}{5}$

5. Which one of the following are common factors of 18 and 36?

(1) 3 and 4
(2) 3 and 6
(3) 4 and 9
(4) 6 and 12

6. What is the perimeter of the rectangle shown below?



(1) 10 cm
(2) 17 cm
(3) 20 cm
(4) 21 cm

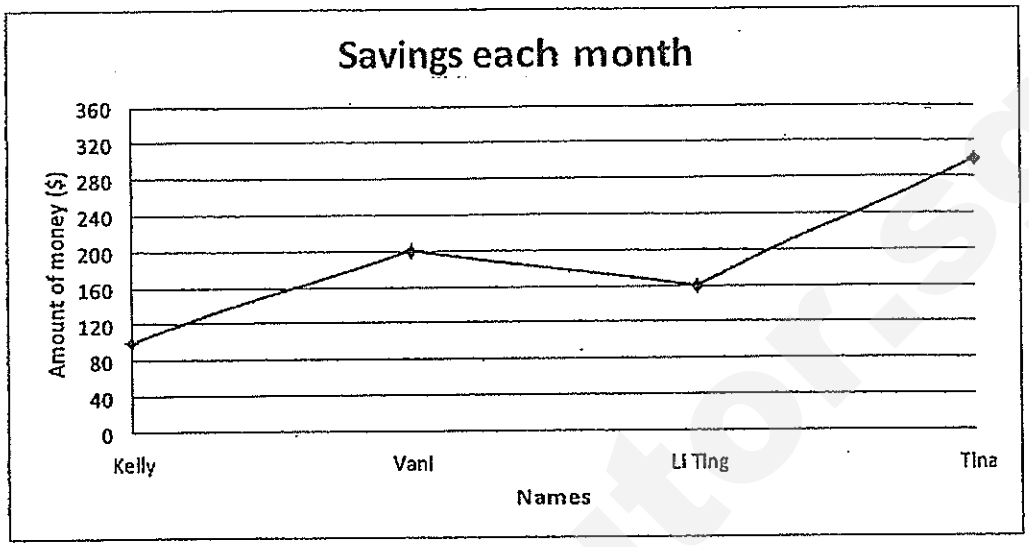
7. $870 \times 10 = 800 \times 10 + \square$

(1) 7×10
(2) 70×10
(3) 70×100
(4) 700×100

8. Find the sum of the 7th multiple of 6 and the 5th multiple of 9.

(1) 42
(2) 45
(3) 54
(4) 87

The line graph below shows the amount of money saved by 4 girls each month. Study it carefully and answer questions 9 and 10.



9. How much did Kelly save?

(1) $90
(2) $100
(3) $110
(4) $115

10. Find the difference in savings between Vani and Tina.

(1) $40
(2) $100
(3) $140
(4) $200

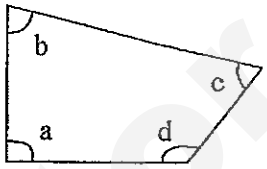
11. Study the number pattern below carefully.

28 110 , 29 120 , 30 130 , ☐ , 32 150 , 33 160 , 34 170

(1) 30 140
(2) 30 150
(3) 31 130
(4) 31 140

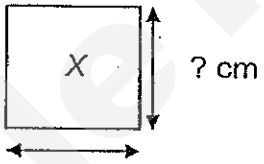
12. In the figure below, one of the angles is a right angle. Name the angle.

(1) ∠ a
(2) ∠ b
(3) ∠ c
(4) ∠ d



13. Square X has an area of 64 cm^2

What is the length of square X?



(1) 8 cm
(2) 16 cm
(3) 32 cm
(4) 256 cm

14. In Mr Ang's class, $\frac{3}{5}$ of the pupils wore glasses.

18 pupils did not wear glasses.

How many pupils were there in Mr Ang's class?

(1) 6
(2) 27
(3) 30
(4) 45

15. Jack had $1 080. He spent $\frac{4}{9}$ of his money on a bicycle.

How much did the bicycle cost?

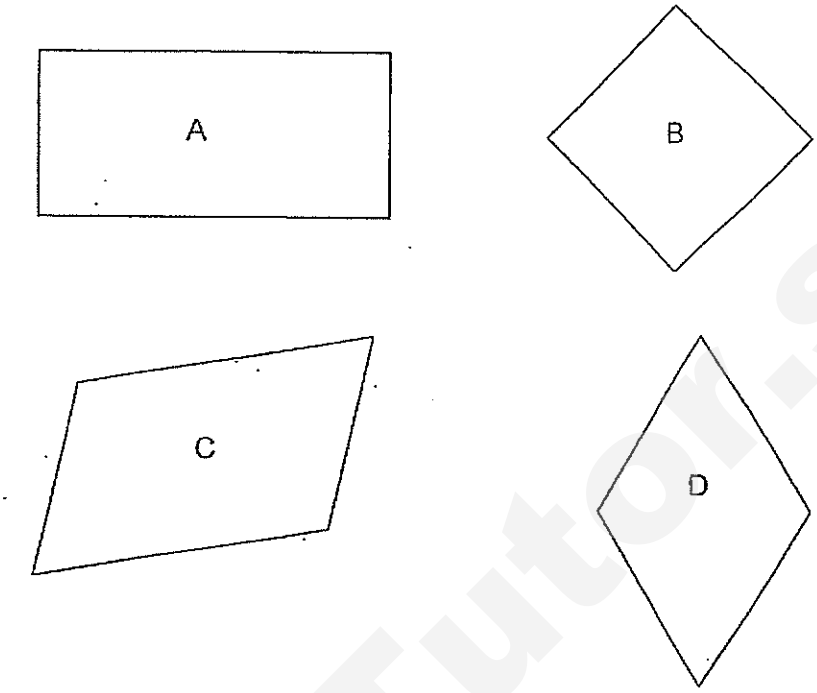
(1) $120
(2) $270
(3) $480
(4) $600

16. There are 40 pupils in Mrs Lim's class. 24 them are girls.

What fraction of the class are boys?

(1) $\frac{1}{5}$
(2) $\frac{2}{5}$
(3) $\frac{3}{5}$
(4) $\frac{4}{5}$

17. Which of the following is a square?



(1) A
(2) B
(3) C
(4) D

18. The total cost of a dining table and 3 chairs is $1 200. The dining table costs 3 times as much as a chair. Find the cost of each chair.

(1) $200
(2) $300
(3) $400
(4) $600

19. Bala spent $\frac{1}{2}$ of his money on a bag.

He also bought a pencil case for \$6. He then had \$24 left.

How much money did he have at first?

(1) \$12
(2) \$30
(3) \$48
(4) \$60

20. Taufik earns \$720. He spent $\frac{1}{6}$ of it on food and $\frac{1}{2}$ of it on transport.

He saved the rest.

How much money did he save?

(1) \$120
(2) \$240
(3) \$360
(4) \$480

Section B (40 marks)

For questions 21 to 40, show your working clearly in the space below each question and write your answer in the answer boxes provided. Give your answers in the units stated. Each question carries 2 marks.

---

21. What is the value of the digit '6' in 68 731?

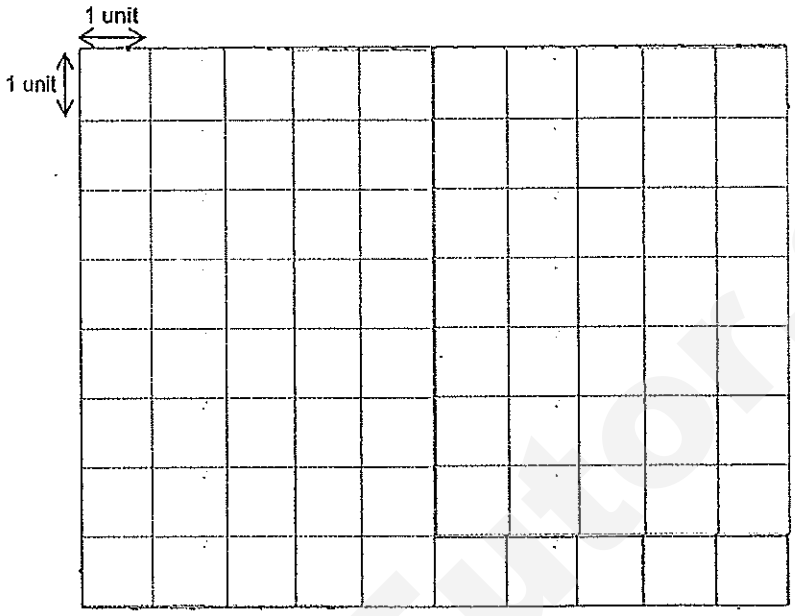
22. What is the first common multiple of 4 and 12?

23. List the first two common multiples of 3 and 6.

24. An odd number is 5 400 when rounded off to the nearest hundred, What is the smallest odd number?

25. What is the largest 3-digit even number that is divisible by 7 without any remainder?

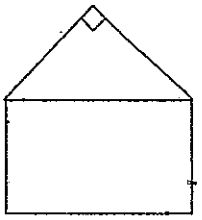
26. Draw and shade a square of 36 square units, on the grid below.



27. What fraction of the fruits are bananas?

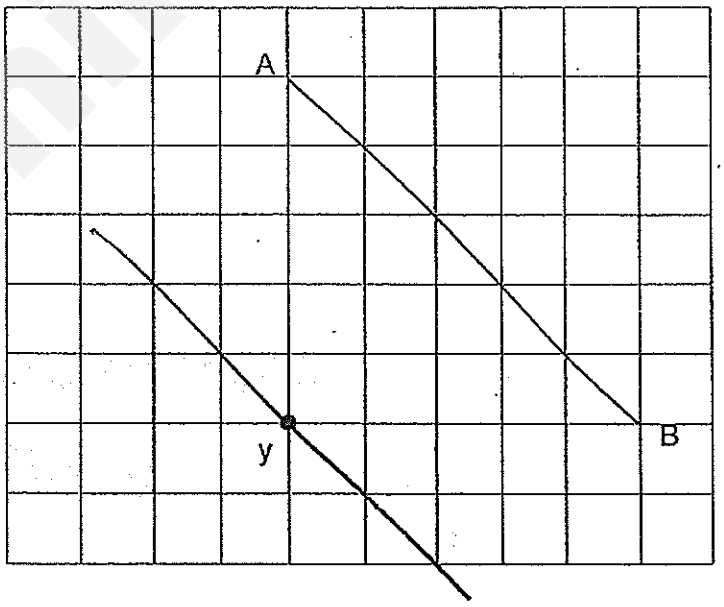
Express your answer in the simplest form.

28. The figure below is made up of a right-angled triangle and a rectangle. How many pairs of perpendicular lines are there in the figure?



29. What is the value of $\frac{1}{2} + \frac{7}{8}$?
Express your answer as a mixed number in the simplest form.

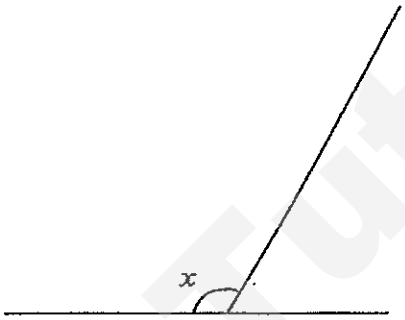
30. AB is a straight line. Draw a line parallel to the line AB through the point Y.



31. The perimeter of a square is 96 cm. What is the area of the square?

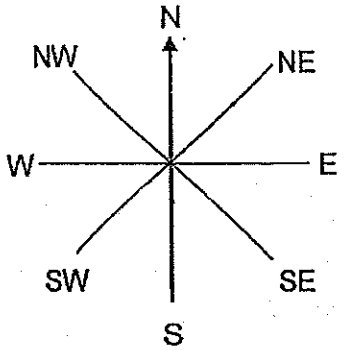
cm^2

32. Measure and write down the size of $\angle x$.



°

33. Jonathan is standing in the middle of the 8-point compass. After turning clockwise through 225°, he is facing South-West. Which direction was he facing at first?

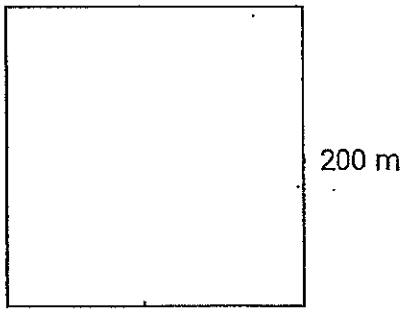


34. In the month of May, John spent $320 on food. He spent $70 more on rent than on food.
His savings was exactly half his expenditure on rent.
Complete the table below to show the information given above.

Expenditure	Amount ($)
Food	320
Rent	
Savings	

35. Shan had 21 erasers. She gave $\frac{2}{3}$ of them to her cousins. How many erasers had she left?

36. Zack is taking his 1 600 m run in the square field below.
How many rounds must he run in order to complete the test?
(1 complete round = 1 square field)

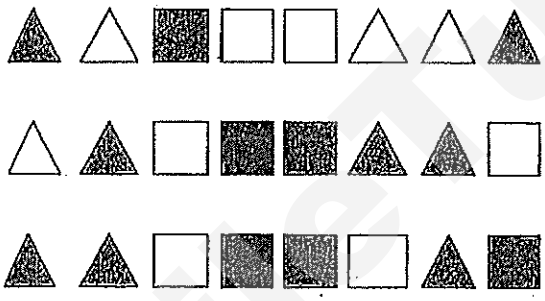


37. Mrs Lee needs $\frac{2}{5}$m of ribbon to decorate a greeting card. What is the length of ribbon she needs to make 4 such greeting cards?

Express your answer in the simplest form.

m

38. What fraction of the shapes are shaded triangles?
Give your answer in the simplest form.



39. Mrs Suhaimi bought a pizza and cut it into 8 equal slices.

She ate 2 slices of the pizza.

Her 3 children shared the rest of the pizza equally.

What fraction of the pizza did each child get?

Express your answer in the simplest form.

40. Siti had some beads. She used $\frac{1}{3}$ of her beads to make a necklace.

She then used $\frac{1}{6}$ of her beads to make a pendant.

If she used 10 more beads to make the necklace than the pendant, how many beads did she have at first?

Section C (20 marks)

For questions 41 to 45, show your working clearly in the space below each question and write your answers in the blanks provided. The marks for each question or part question are given in the brackets.

---

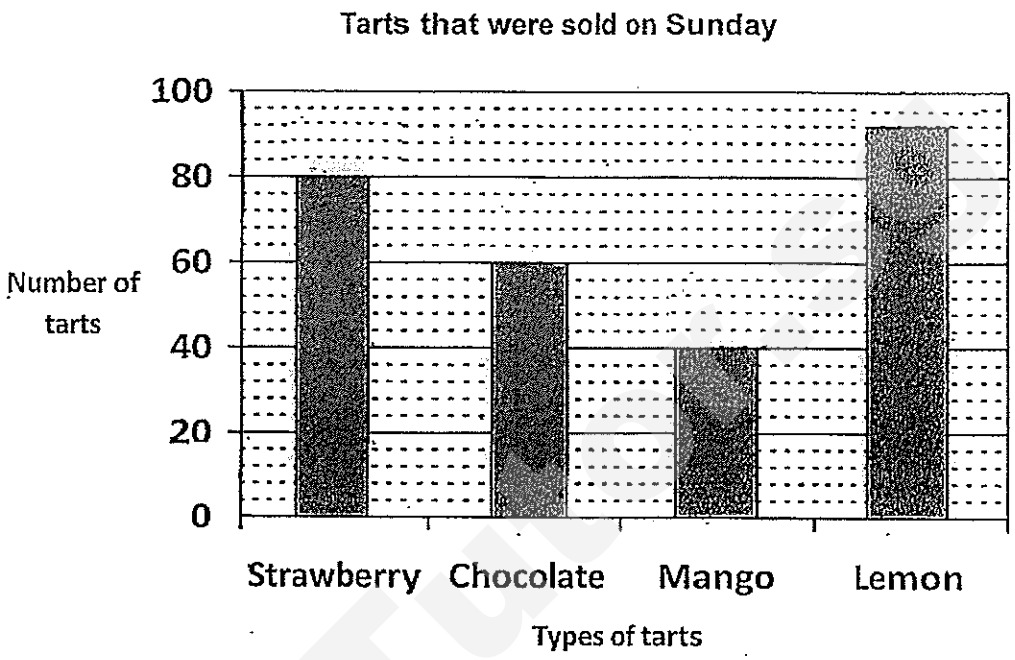
41. Mrs Ng bought 6 packets of sweets.

In each packet, there were 48 sweets.

If all the sweets were repacked into bags of 9, how many bags would she need?

Answer: _____ (4 m)

42. Kelly baked and sold four types of tarts last Sunday. She charted each type of tarts that was sold.



a) Which type of tart was the most popular?

b) If she sold each tart for $3, how much money did she make altogether?

Answer: a) _____ (1 m)

b) _____ (3 m)

43. Zheng He arrived in Quan Zhou with his treasure case filled with necklaces, bracelets and rings.

$\frac{3}{7}$ of the items were necklaces.

There was an equal number of rings and bracelets.

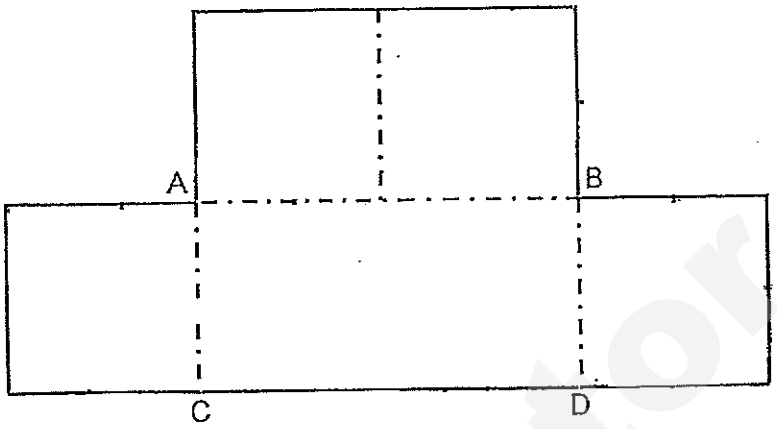
If there were 132 bracelets, how many items were there in the treasure case?

Answer: _____ (4 m)

44. The mass of Jane, Kenny and Lisa is 178 kg.
Kenny is heavier than Lisa.
The difference between Kenny's mass and Lisa's mass is 54 kg.
If Jane is twice as heavy as Lisa, find Kenny's mass.

Answer: _____ (4 m)

45. A 120-cm long wire was bent to form the outline of the shape shown below.
It is made up of a rectangle ABCD and 4 similar squares.
Find the area of rectangle ABCD.



Answer: _____(4 m)

~END OF PAPER~

Have you checked your work thoroughly?

ANSWER SHEET

EXAM PAPER 2014

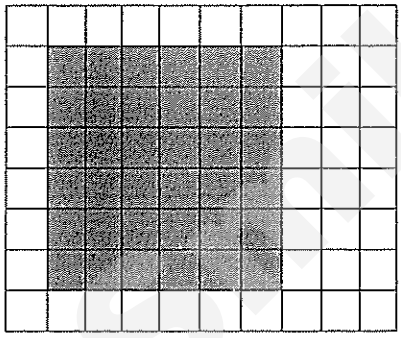
SCHOOL : ROSYTH PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

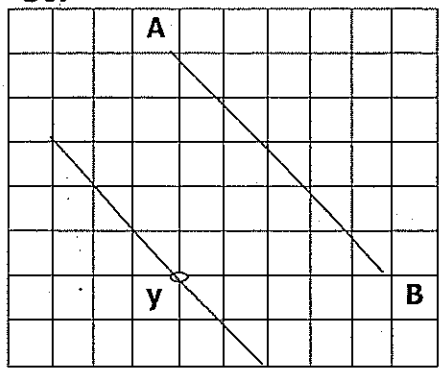
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
2	**3**	**4**	**1**	**2**	**3**	**2**	**4**	**2**	**2**	**4**	**1**	**1**	**4**	**3**	**2**	**2**

Q18	Q19	Q20
1	**4**	**2**

21. 60000
22. 12
23. 6, 12
24. 5351
25. 994
26.



27. 7/12
28. 5
29. 1 3/8
30.



31. 576
32. 120
33. North
34. 390
    195
35. 7
36. 2
37. 1 3/5
38. 1/3
39. ¼
40. 60

41. 48 x 6 = 288
    288 ÷ 9 = 32

42. a) Lemon
    b) 92 x 3 = $816

43. 132 ÷ 2 = 66
    66 x 7 =462

44. 3 x 54=162
    178+162 = 340
    340÷4=85

45. 120 ÷ 12 = 10
    10x2 = 20
    20x10= 200

SINGAPORE CHINESE GIRLS' SCHOOL

FIRST SEMESTRAL ASSESSMENT 2014

PRIMARY 4

MATHEMATICS

BOOKLET A

Name : _____ ( )

Parent's Signature

Class : Primary 4

There are 15 questions in this booklet.
SECTION A

Total Time : 1 h 45 min (Booklet A and B)

INSTRUCTIONS TO CANDIDATES
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.
CHECK THAT ALL MCQ ANSWERS ARE SHADED CORRECTLY IN THE OAS

This question paper consists of 6 printed pages. (Inclusive of cover page)

Section A: (30 marks)

Questions 1 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

---

1. In which of the following numbers does the digit 4 stand for 4000?

   (1) 81 254
   (2) 12 458
   (3) 54 128
   (4) 28 541

2. Round off 3655 to the nearest ten.

   (1) 3600
   (2) 3650
   (3) 3660
   (4) 3700

3. Which of the following is the best estimate of 799 x 23?

   (1) 790 x 20
   (2) 800 x 20
   (3) 790 x 30
   (4) 800 x 30

4. Which one of the following is **not** a factor of 60?

   (1) 12
   (2) 15
   (3) 25
   (4) 30

5. What is the sum of the **second** and **sixth** multiple of 3?

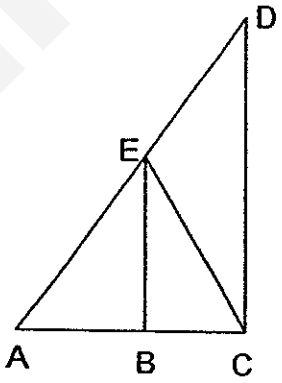
(1) 6
(2) 12
(3) 18
(4) 24

6. L E F T

How many of the letter(s) above has/have both parallel and perpendicular lines?

(1) 1
(2) 2
(3) 3
(4) 4

7. Which line is perpendicular to BE?



(1) AC
(2) AE
(3) CD
(4) CE

8. There are 24 girls and 16 boys in a class. What fraction of the class are boys?

(1) $\frac{1}{5}$

(2) $\frac{2}{5}$

(3) $\frac{2}{3}$

(4) $\frac{3}{5}$

9. What is the missing number in the box?

$7\frac{2}{4} = \frac{\square}{2}$

(1) 15

(2) 18

(3) 28

(4) 30

10. Which one of the following has the greatest value ?

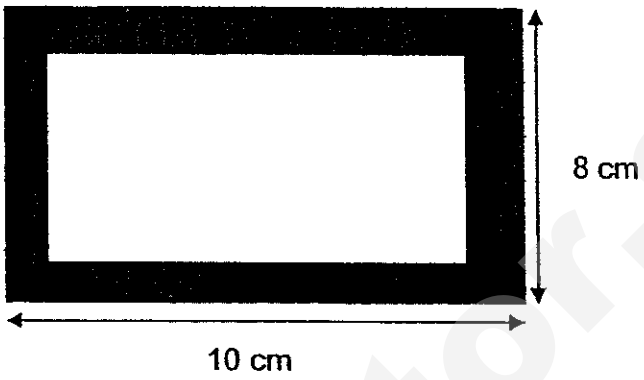
(1) $\frac{2}{3} \times 18$

(2) $\frac{2}{3} \times 24$

(3) $\frac{2}{3} \times 15$

(4) $\frac{2}{3} \times 12$

11. A paper is mounted on a cardboard measuring 10 cm by 8 cm. The area of the paper is 48 cm^2. There is a border around the paper.
Find the area of the border.



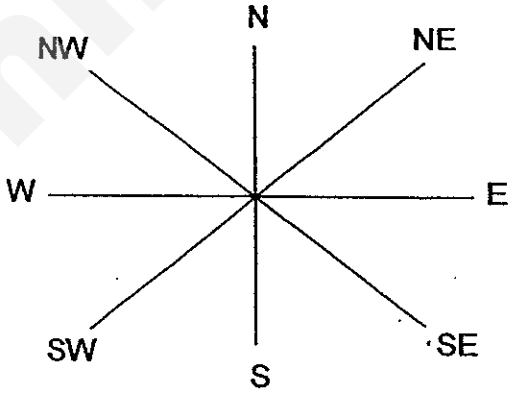
(1) 12 cm^2

(2) 32 cm^2

(3) 80 cm^2

(4) 128 cm^2

12. Look at the 8-point compass below.



Mrs Ng is facing north. She turns _____° in the anti-clockwise direction and she will be facing south-east.

(1) 90°

(2) 135°

(3) 180°

(4) 225°

13. Sam has 80 marbles. Leslie has 4 times as many marbles as Sam.
How many marbles must Leslie give Sam so that they will have the same number of marbles?

(1) 40

(2) 120

(3) 240

(4) 320

14. The sum of 2 numbers is 511. The difference between these 2 numbers is 85. What is the value of the smaller number?

(1) 213

(2) 298

(3) 426

(4) 596

15. 4 years ago, Lisa's father was thrice as old as Lisa.
This year, their total age is 64. How old was Lisa 4 years ago?

(1) 14

(2) 15

(3) 16

(4) 17

SINGAPORE CHINESE GIRLS' SCHOOL

FIRST SEMESTRAL ASSESSMENT 2014

PRIMARY 4

MATHEMATICS

BOOKLET B

Name : _____( )

Class : Primary 4

		Marks attained	Max Mark
Booklet A	**Section A**		**30**
Booklet B	**Section B**		**40**
	Section C		**30**
Total			**100**

Parent's Signature

There are 28 questions in this booklet.
SECTION B and C

Total Time : 1 h 45 min (Booklet A and B)

INSTRUCTIONS TO CANDIDATES
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.

This question paper consists of 12 printed pages. (Inclusive of cover page)

Section B: (40 marks)

Questions 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write In this column

16. Write 30 911 in words.

_____

_____

17. Fill in the blank with the correct number in the number pattern below.

7294	,	7584	,	___?___	,	8164	,	8454

Ans : _____

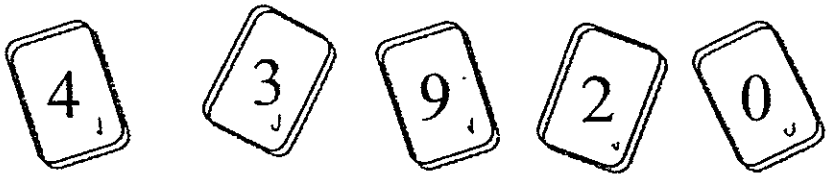
18. Ben saves $68 every month. How much will he save in 2 years?

Ans : $ _____

6

Do not write
In this column

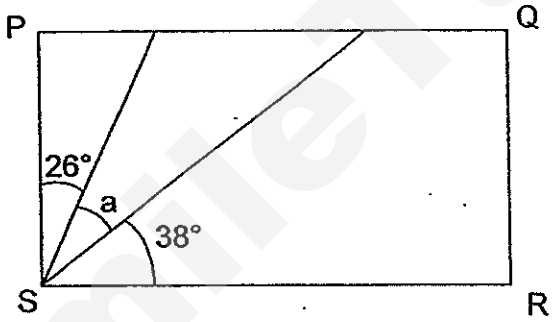
19. Here are five number cards.



Arrange these cards to form the greatest 5–digit **odd** number.

Ans : _____

20. PQRS is a rectangle. Find the value of ∠a.



Ans : _____°

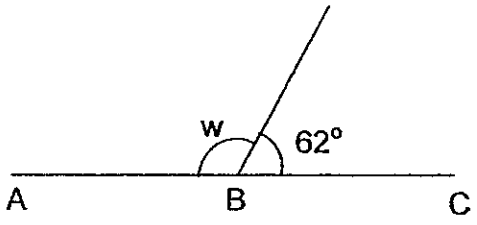
21. Mrs Lee bought 121 lollipops for her pupils. She packed them into packets of 4 lollipops. How many lollipops are left over?

Ans : _____

6

Do not write in this column

22. In the figure below, ABC is a straight line. Find $\angle w$.



Ans : _____ °

23. The area of a square is 81 cm^2. Find its perimeter.

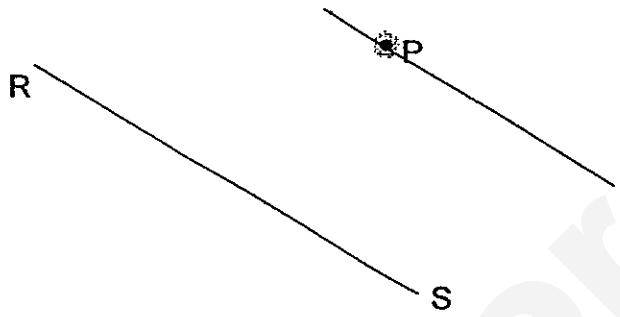
Ans : _____ cm

24. In the space below, draw $\angle XYZ = 85°$. The line XY has been drawn for you. Mark and label the angle.

6

Do not write
In this column

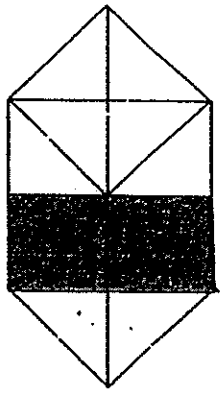
25. Draw a line parallel to RS passing through point P.



26. $1 - \frac{2}{3} - \frac{1}{6} =$ ☐ Express your answer in the simplest form.

Ans : _____

27. How many more triangles must be shaded so that $\frac{3}{4}$ of the figure is shaded?



Ans : _____

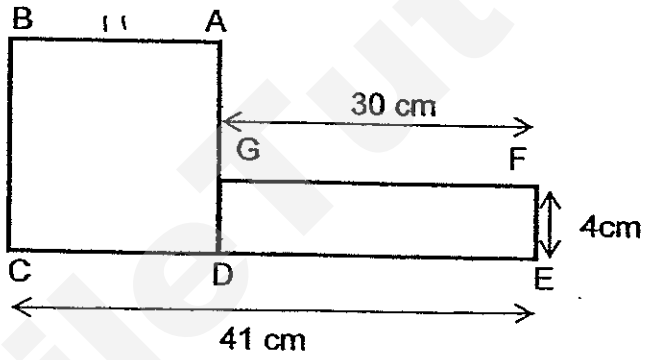
6

28. $\frac{5}{12} + \frac{1}{2} + \frac{7}{12} = \square$ Express your answer in the simplest form.

Do not write In this column

Ans : _____

29. The figure below is made up of a square ABCD and a rectangle DEFG. Find the length of AG.



Ans: _____ cm

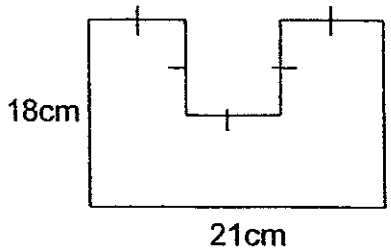
30. Vera spent $\frac{1}{4}$ of her money on a bag and \$99 on a dress. She had \$66 left. How much did the bag cost?

Ans : \$_____

6

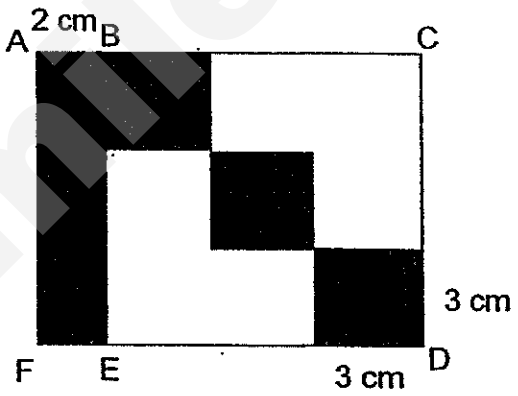
31. Find the perimeter of the figure below. All lines are at right angles to each other.

Do not write In this column



Ans : _____ cm

32. The following figure shows rectangle ACDF and 3 identical squares inside square BCDE. Find the length of DF.

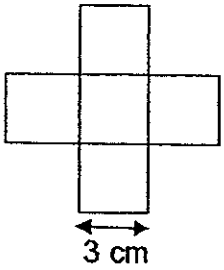


Ans : _____ cm

4

33. The figure below is made up of 5 identical squares. The length of each side of the square is 3 cm. Find the area of the figure.

Do not write In this column



Ans: _____ cm^2

34. Miss Wong had 12 sweets, 16 chocolates and 20 erasers.
She put the same number of sweets, chocolates and erasers in each bag.
What is the maximum number of bags she can fill without any leftover?

Ans : _____

35. There were twice as many girls as boys in the school library. After 10 boys left the school library, there were 3 times as many girls as boys who remained behind. How many girls were there in the school library?

Ans : _____

6

Section C: (30 marks)

For questions 36 to 43, show your working clearly in the space provided for each question and write your answer in the space provided. The number of marksavailable is shown in brackets [ ] at the end of each question or part-question.

Do not write In this column

36. The total cost of a washing machine and a refrigerator is \$1250.

The washing machine costs $\frac{2}{5}$ of the total cost.

Find the cost of the refrigerator.

Ans: _____ [3]

37. Auntie May bought 6 kg of apples. She used $\frac{1}{3}$ of it to make apple pies and gave $\frac{3}{4}$ kg to her friends. How much apples had she left?

Ans: _____ [3]

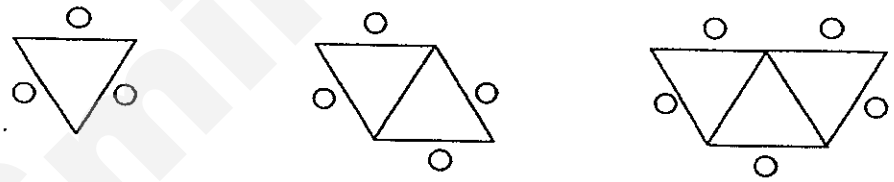
6

38. Dora had $50 more than Eleanor. After Eleanor had spent $34, Dora had 4 times as much money as Eleanor.
How much did Eleanor have at first?

Do not write in this column

Ans: _____ [4]

39. A triangular table in a library can seat 3 pupils. When arranged together, the tables can seat the following number of pupils.



a) How many pupils can be seated if 7 tables are joined together?

b) How many tables can seat 20 pupils together?

Ans: a)_____ [2]

b)_____ [2]

8

Do not write in this column

40. Tickets for a funfair are priced at $5 for children and $12 for adults. Mr Toh sold 35 tickets and received $315. How many children tickets did he sell?

Ans: _____ [4]

41. For every 3 marbles that Robin buys, Edward buys 2 more than him. They buy 184 marbles altogether. How many marbles does Robin buy?

Ans: _____ [4]

8

42. 1 chocolate bar and 1 pack of biscuits cost $7.
Mother bought 4 chocolate bars and 3 packs of biscuits for $25.50.
How much did 2 chocolate bars cost?

Ans: _____ [4]

43. Tom, Jerry and Perry collected 246 stamps. Tom had 4 times as many stamps as Jerry and Perry had 12 fewer stamps than Jerry.
How many stamps did Jerry have?

Ans: _____ [4]

Do not write In this column

8

END OF PAPER
PLEASE CHECK YOUR WORK

Exam Paper 2014 Answer Sheet

School: SINGAPORE CHINESE GIRLS' SCHOOL
Subject: PRIMARY 4 MATHEMATICS
Term: SA1

1)	3	6)	2	11)	2
2)	3	7)	1	12)	4
3)	2	8)	2	13)	2
4)	3	9)	1	14)	1
5)	4	10)	2	15)	1

16. Thirty thousand, nine hundred and eleven

17. 7874

18. 1632

19. 94203

20. 26

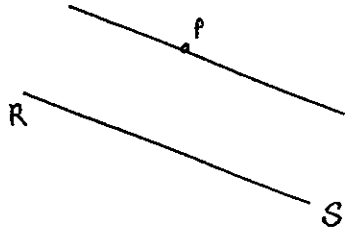
21. 1

22. 118

23. 36

24.

25.



26: $^1/_6$

27. 5

28. $1^1/_2$

29. 7

30. 55

31. 92

32. 11

33. 45

34. 4

35. 60

36. 5u → 1250
    1u → 250
    R → 250 x 3 = **$750**

37. Apple pies → $^1/_3$ x 6 = 2
    Amount left → 6 – 2 – $^3/_4$ = **$3^1/_4$ kg**

38. 4u → 34 + 50 + 1u
    3u → 34 + 50 = 84
    1u → 84 ÷ 3 = 28
    E at first → 28 + 34 = **$62**

39. (a) 7 + 2 = **9**
    (b) 20 – 2 = **18**

40. If all were adult, 35 x 12 = 420
    420 – 315 = 105
    12 – 5 = 7
    105 ÷ 7 = **15**

41. R + E → 3 + 5 = 8
    184 ÷ 8 = 23
    R → 23 x 3 = **69**

42. 1 set → $7
    3 sets → $21
    1 bar → $25.50 - $21 = $4.50
    2 bars → **$9**

43. 6u → 246 + 12 = 258
    J → 258 ÷ 6 = **43**

PRIMARY 4 MID-YEAR EXAMINATION 2014

Name : _____ ( ) Date: 16 May 2014

Class : Primary 4 ( ) Time: 8.00 a.m. - 9.15 a.m.

Parent's Signature : _____ Marks: _____ / 100

MATHEMATICS

PAPER 1

(Booklet A and Booklet B)

Do not open this booklet until you are told to do so.

Read and follow all instructions carefully.

Answer all questions.

Booklet A	20
Booklet B	40
Total for Paper 1	60

Paper 1 (Booklet A)

Multiple Choice Questions

Questions 1 to 10 carry 2 marks each.

For each question, four options are given. One of them is the correct answer.

Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

---

1. What is the value of 5 in 58 872?
   (1) 5
   (2) 50
   (3) 5 000
   (4) 50 000

2. What is the digit in the tens place when 182 is multiplied by 10?
   (1) 1
   (2) 2
   (3) 0
   (4) 8

3. The area of a square is 64 cm^2. Find its perimeter.
   (1) 8 cm
   (2) 16 cm
   (3) 32 cm
   (4) 64 cm

4. $\frac{29}{9} = 2\frac{5}{9} + \frac{\square}{3}$

The missing number is _____ .

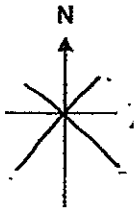
(1) 6

(2) 2

(3) 10

(4) 4

5. Jane is facing east. After she turns 315° anticlockwise, in which direction will she face?



(1) North-East

(2) North-West

(3) South-East

(4) South-West

6. The common factors of 36 and 45 are _____, _____ and _____.

(1) 1, 2 and 3

(2) 1, 3 and 5

(3) 1, 3 and 9

(4) 1, 36 and 45

7. 48 is a common multiple of _____.

(1) 3 and 4

(2) 4 and 5

(3) 5 and 6

(4) 6 and 7

8. A fruit seller had 48 apples in his stall. He sold $\frac{5}{8}$ of his apples by lunchtime. How many apples were left?

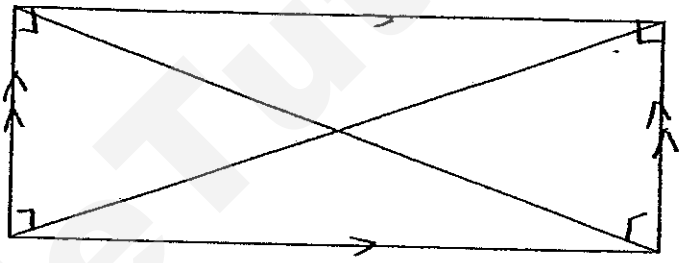
(1) 6

(2) 18

(3) 30

(4) 9

Look at the diagram below to answer Questions 9 and 10.



9. How many pairs of perpendicular lines are there in the figure?

(1) 1

(2) 2

(3) 3

(4) 4

10. How many pairs of parallel lines are there in the figure?

(1) 1

(2) 2

(3) 3

(4) 4

Paper 1 (Booklet B)

Write your answers in the boxes provided. For questions which require units, give your answers in the units stated. Questions 11 to 30 carry 2 marks each. (40 marks)

---

11. Write 701 740 in words.

_____

_____

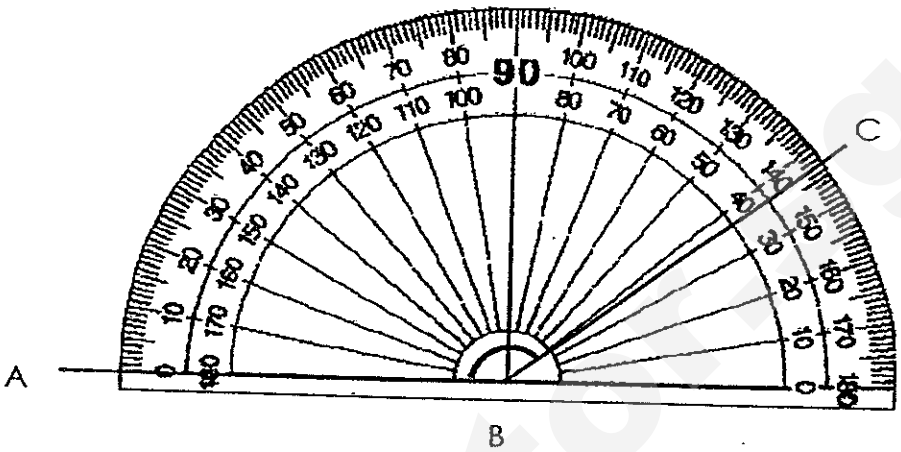
12. Arrange the numbers below in descending order.

6 523 , 8 512 , 8 475 , 6 443 , 8 401

_____

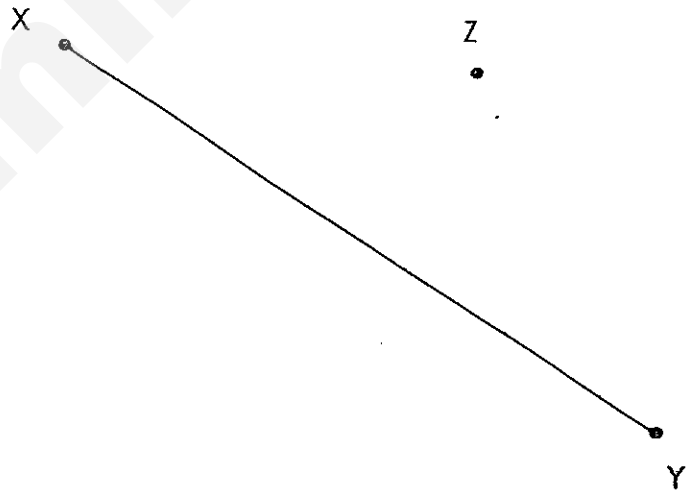
13. 827 X 6 = _____ ÷ 3

14. Find $\angle ABC$.



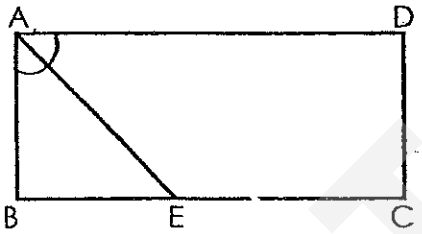
°

15. Draw a line perpendicular to XY. The line must pass through Z.



16. What is the remainder when 8 309 is divided by 6?

17. The figure below is not drawn to scale.
ABCD is a rectangle. If $\angle DAE = 48°$, find $\angle BAE$.

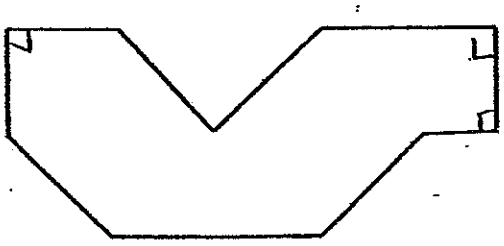


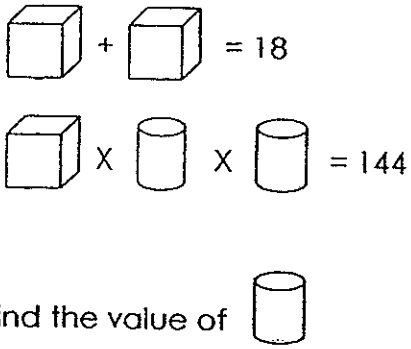
0

18. A handphone costs \$600. Nancy spent $\frac{3}{4}$ of her money on it.
How much money does she have now?

\$

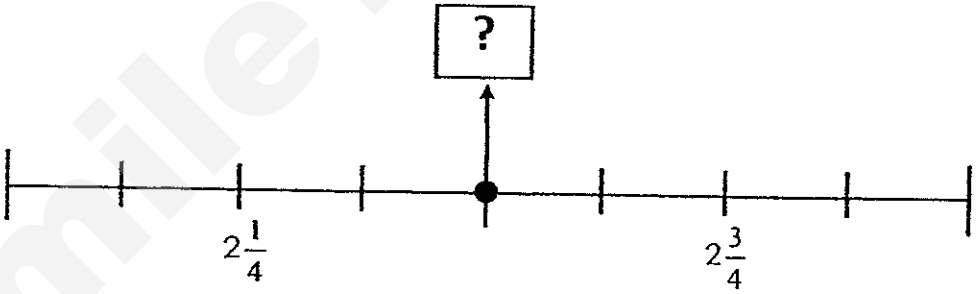
19. There are _____ right angles in the figure below.



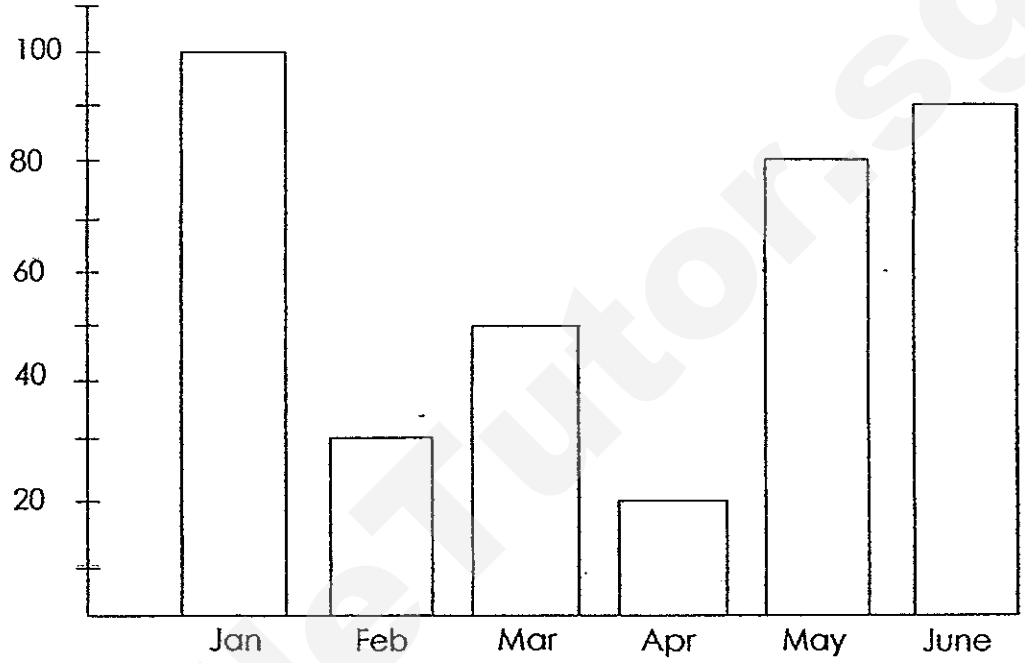
20. 

Find the value of

21. What is the missing fraction? Express your answer in its simplest form.



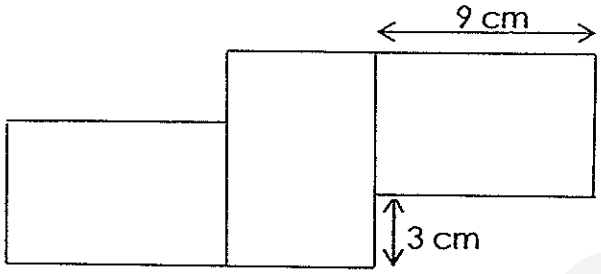
The bar graph below shows the number of bags sold by a shop over a period of 6 months. Study the graph carefully and answer questions 22 and 23.



22. What is the total number of bags sold from January to June?

23. The number of bags sold in March and April is _____ less than the number of bags sold in May.

24. The figure below, not drawn to scale, consists of 3 identical rectangles. Find its perimeter.



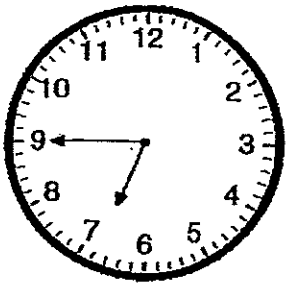
cm

25. A coin purse contains some 20-cent and 5 one-dollar coins. The total amount of money in the coin purse is $8. How many 20-cent coins are there?

26. The mass of a bag of tools, when rounded off to the nearest hundred, is 3 600g. What is the **largest possible mass** of the bag of tools?

g

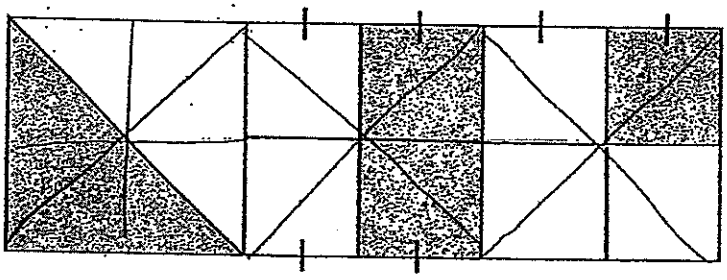
27. The time on a clock is 6.45 a.m. What time would it be if the minute hand turned 180° clockwise?



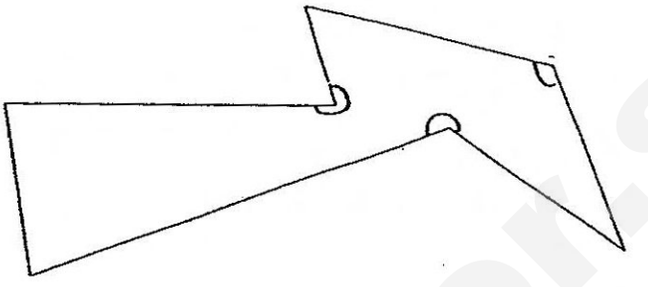
a.m.

28. How many ninths are there in $11\frac{1}{9}$?

29. The figure below is made up of three identical squares. What fraction of the figure is shaded? Express your answer in its simplest form.



30. Look at the figure. How many angles inside the figure are more than 90° ?



End of Paper 1

PRIMARY 4 MID -YEAR EXAMINATION 2014

Name _____ ( ) Date: 16 May 2014

Class : Primary 4 ( ) Time: 10.15 a.m. - 11.15 a.m.

Parent's Signature : _____ Marks: _____ / 40

MATHEMATICS

PAPER 2

Do not open this booklet until you are told to do so.

Read and follow all instructions carefully.

Answer all questions.

Questions 1 to 10 carry 4 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

---

1. Ravi has 5 times as much pocket money as Lisa. Lisa has $8 less than Ravi.

   a) How much money does Ravi have?

   b) How much money do they have altogether?

Ans: a) $_____

b) $_____

---

2. Mary is thrice the age of her son. Mary is 36 years old now.

a) How old is her son?

b) what is their total age in 2 years' time?

Ans: _____

---

3. Ali had twice as many stamps as Devi. After Ali had given Devi 78 stamps, they had an equal number of stamps each. How many stamps did they have in total?

Ans: _____

4. Jane has 180 blue and red beads in a box. She has five times as many blue beads as red beads.

a) How many blue beads does she have?

b) How many more red beads should she buy so that she has half as many red beads as blue beads?

Ans: a) _____

b) _____

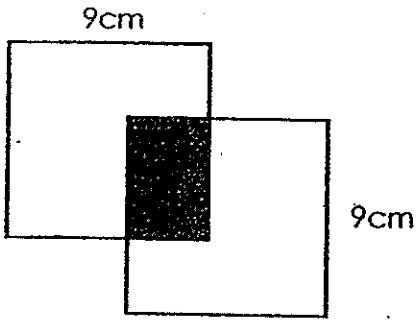
5. A farmer planted 13 trees in a row. Each tree is 3 m away from the other. What is the distance from the first tree to the last tree?

Ans: _____

6. Nizam bought 4 ties and 2 shirts. A shirt costs as much as 3 ties. Nizam spent $160, find the total cost of one shirt and one tie.

Ans: _____

7. The figure is made up of two identical squares that are overlapped. The total area of the figure is 147 cm^2. Find the area of the shaded part.



Ans: _____

8. There are 39 cars and bicycles. There are a total of 122 wheels. How many bicycles are there?

Ans: _____

9. Mrs Chen bought some tarts at a charity event and gave $\frac{3}{5}$ of them to her friends. She ate half of the remainder and had 6 tarts left. How many tarts did she buy at first?

Ans: _____

10. Huiling bought some sweets for her friends. If she gives them 3 sweets each, she would have 8 sweets left. If she gives them 5 sweets each, she would be short of 4 sweets. How many friends does Huiling have?

Ans: _____

End of Paper 2

EXAM PAPER 2014

LEVEL : PRIMARY 4
SCHOOL : TAO NAN SCHOOL
SUBJECT : MATHS
TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	3	2	3	3	1	2	4	2

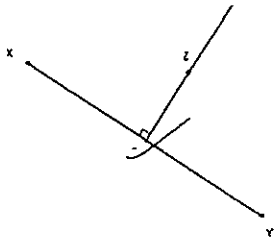
Q11 Seven hundred and one thousand, seven hundred and forty.

Q12 8512, 8475, 8401, 6523, 6443

Q13 14 886

Q14 143°

Q15



Q16 5

Q17 42°

Q18 $200

Q19 3

Q20 4

Q21 2½

Q22 370

Q23 10

Q24 66 cm

Q25 15

Q26 3649g

Q27 7.15 a.m.

Q28 100

Q29 $^{5}/_{12}$

Q30 3

Paper 2

Q1 (a) $8 \div 4 = 2$
$2 \times 5 = 10$
Rani has \$10

(b) $10 + 2 = 12$
They have \$12 altogether.

Q2 (a) $36 \div 3 = 12$
Her son is 12 years old

(b) $48 + 4 = 52$
Their total age will be 52 years.

Q3 $78 \times 6 = 468$
They had 468 stamps altogether.

Q4 (a) $180 \div 12 = 15$
$15 \times 10 = 150$
She has 150 blue beads.

(b) $15 \times 3 = 45$
She should buy 45 more red beads.

Q5 $13 - 1 = 12$
$12 \times 3 = 36$
The distance from the first tree to the last tree is 36m.

Q6 $160 \div 10 = 16$
$16 \times 4 = 64$
One shirt and one tie is \$64.

Q7 $9 \times 9 = 81$
$81 \times 2 = 162$
$162 - 147 = 15$
The area of the shaded part is $15cm^2$.

Q8 $39 \times 4 = 156$
$156 - 122 = 34$
$4 - 2 = 2$
$34 \div 2 = 17$
There are 17 bicycles.

Q9 $6 \times 5 = 30$
She bought 30 tarts.

Q10 Huiling has 6 friends.

AI TONG SCHOOL

2014

END OF YEAR EXAMINATION

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 24 October 2014

INSTRUCTIONS

Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name : _____ ( )

Class : Primary 4 _____

Parent's Signature : _____

Date : _____

Section A	28
Section B	40
Section C	32
Total	100

Section A

Questions **1** to **14** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. (28 marks)

---

1 The value of the digit 5 in 85 761 is _____.

(1) 50

(2) 500

(3) 5000

(4) 50 000

2 Which of the following numbers when rounded off to the nearest ten becomes 21 900?

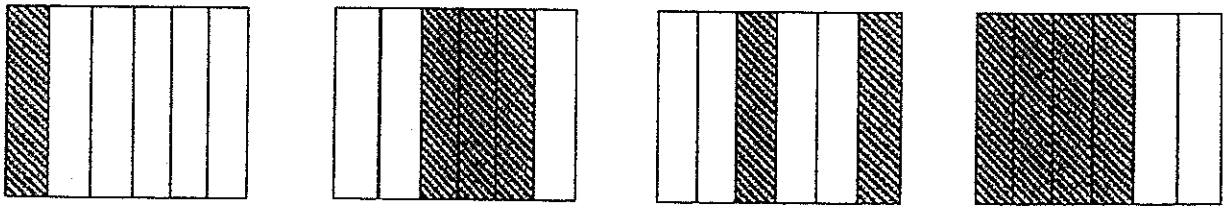
(1) 21 849

(2) 21 895

(3) 21 905

(4) 21 954

3 Which one of the following has $\frac{1}{3}$ of the figure shaded?



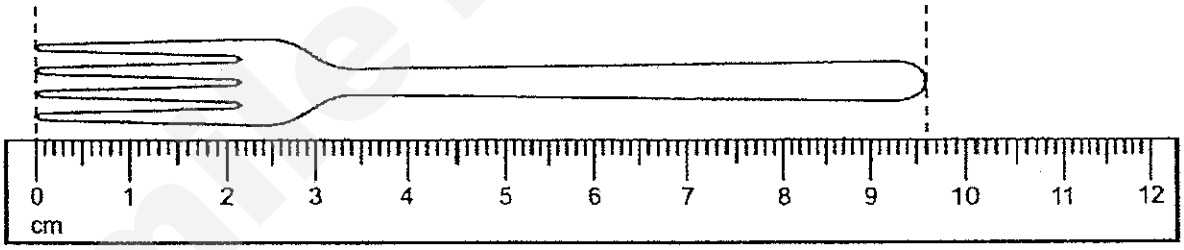
(1) (2) (3) (4)

4 Arrange the following fractions from the greatest to the smallest.

$$\frac{1}{3}, \frac{3}{4}, \frac{5}{12}$$

	(greatest)		*(smallest)*
(1)	$\frac{3}{4}$,	$\frac{1}{3}$,	$\frac{5}{12}$
(2)	$\frac{1}{3}$,	$\frac{3}{4}$,	$\frac{5}{12}$
(3)	$\frac{1}{3}$,	$\frac{5}{12}$,	$\frac{3}{4}$
(4)	$\frac{3}{4}$,	$\frac{5}{12}$,	$\frac{1}{3}$

5 In the figure below, what is the length of the fork in cm?
Give your answer as a decimal.



(1) 9.3 cm

(2) 9.6 cm

(3) 10.4 cm

(4) 10.6 cm

6 Express 0.08 as a fraction in its simplest form.

(1) $\frac{1}{8}$

(2) $\frac{2}{5}$

(3) $\frac{2}{25}$

(4) $\frac{1}{100}$

7 A piece of wire is bent to form a square with an area of 36 cm^2. How long is the wire?

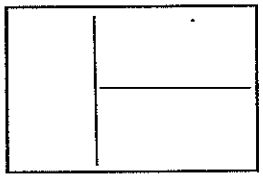
(1) 6 cm

(2) 9 cm

(3) 18 cm

(4) 24 cm

8 The figure below has a perimeter of 60 cm. It is made up of 3 similar rectangles. What is the area of one rectangle?



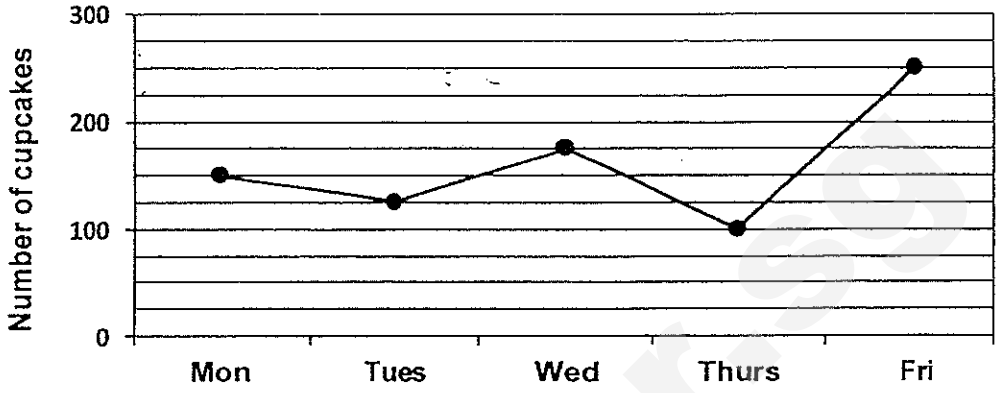
(1) 20 cm^2

(2) 36 cm^2

(3) 72 cm^2

(4) 180 cm^2

9 The line graph shows the number of cupcakes baked by Mrs Raju from Monday to Friday.



Mrs Raju baked half as many cupcakes on _____ as Friday.

(1) Monday

(2) Tuesday

(3) Wednesday

(4) Thursday

10 The table below shows the marks scored by Mary in her examination.

	Marks Scored
English	82
Chinese	91
Math	?
Science	?
Total	311

She scored 18 marks more for Math than Science. How many marks did she score for Science?

(1) 42

(2) 60

(3) 69

(4) 78

11 Mr Yap left his house at 11 20. He reached his workplace 1 h 45 min later. At what time did Mr Yap reach his workplace?

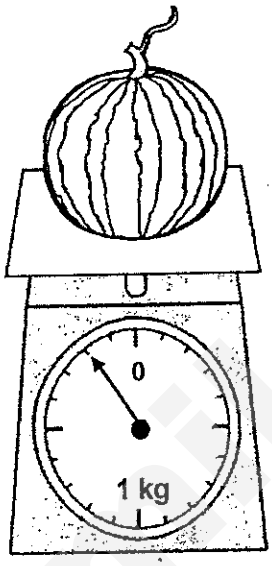
(1) 00 05

(2) 13 05

(3) 14 05

(4) 23 05

12 What is the mass of the watermelon?



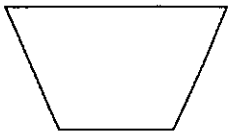
(1) $\frac{8}{10}$ kg

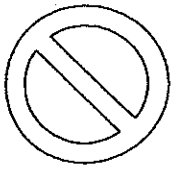
(2) $1\frac{3}{5}$ kg

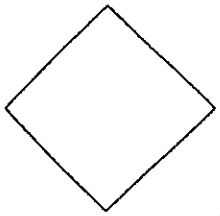
(3) $1\frac{4}{5}$ kg

(4) $2\frac{3}{5}$ kg

13 Which of the following figures does **not** have any line of symmetry?

(1) 

(2) 

(3) 

(4) 

14 The school library has four times as many English books as Chinese books. After 392 new Chinese books were added, there were twice as many Chinese books as English books. How many Chinese books were there at first?

(1) 56

(2) 196

(3) 448

(4) 784

Section B

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

15 What number is 10 more than 1995?

Ans: _____

16 Find the product of 5467 and 7.

Ans: _____

17 Some factors of 18 are 1, 2, 3, and 18. What are the other two factors of 18?

Ans: _____ and _____

18 Write $\frac{33}{9}$ as a mixed number in its simplest form.

Ans: _____

8

19 Find the value of $1 - \frac{1}{8} - \frac{1}{4}$.

Ans: _____

---

20 Round off 31.75 to the nearest whole number.

Ans: _____

---

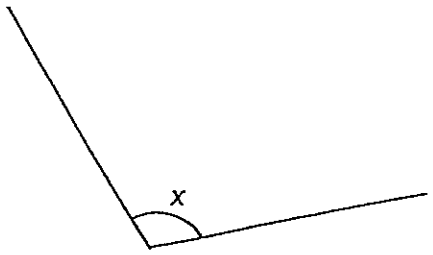
21 Arrange the following numbers from the smallest to the greatest.

$\frac{3}{4}$, 0.705, 0.075

Ans: _____ , _____ , _____
(smallest) *(greatest)*

---

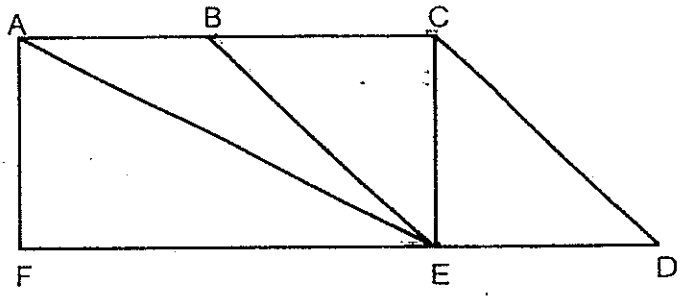
22 Measure and write down the size of $\angle x$.



Ans: _____

6

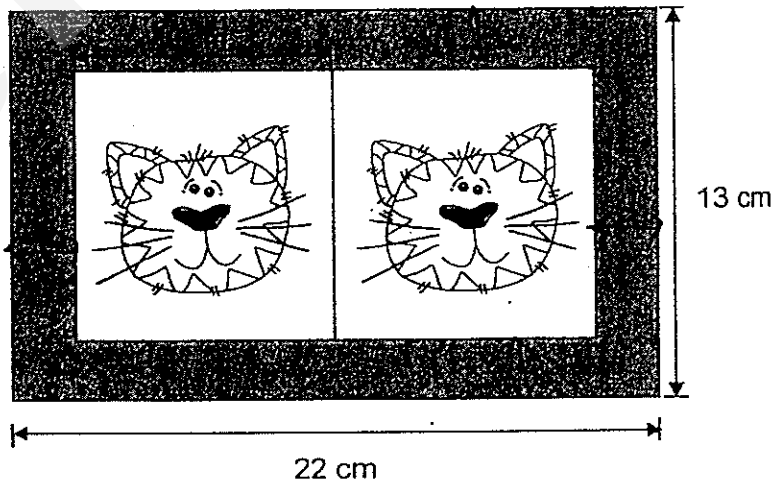
23 In the figure, one of the lines is parallel to CD.
Which line is parallel to CD?



Ans: _____

---

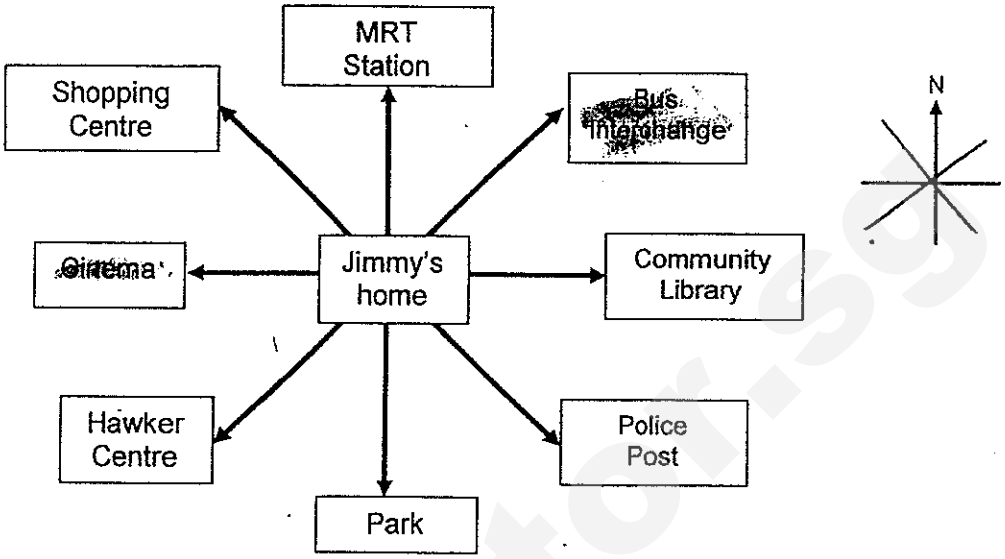
24 Two identical square pictures each with sides measuring 9 cm are mounted on a rectangular cardboard as shown below. Find the area of the cardboard **not** covered by the pictures.



Ans: _____ cm^2

---

25 The diagram below shows the direction of each place from Jimmy's home.



(a) Jimmy is facing the Cinema. He wants to turn clockwise to face the Bus Interchange. How many degrees must he turn?

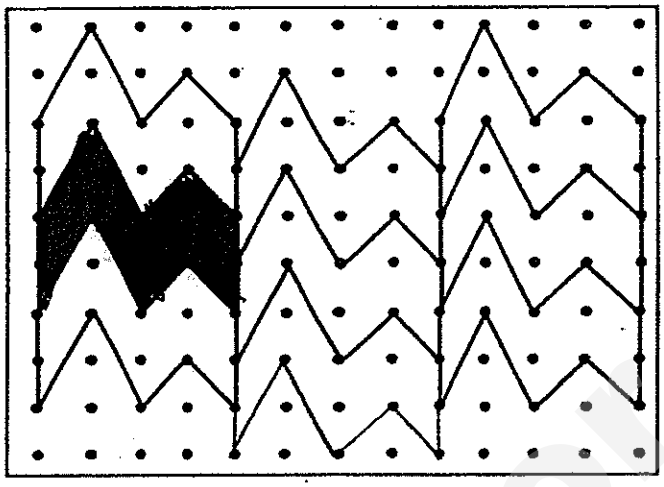
(b) Jimmy is facing **North**. After he makes a $\frac{3}{4}$ turn in an anti-clockwise direction, where will he be facing?

Ans: (a) _____

(b) _____

2

26 The pattern in the box shows part of a tessellation.



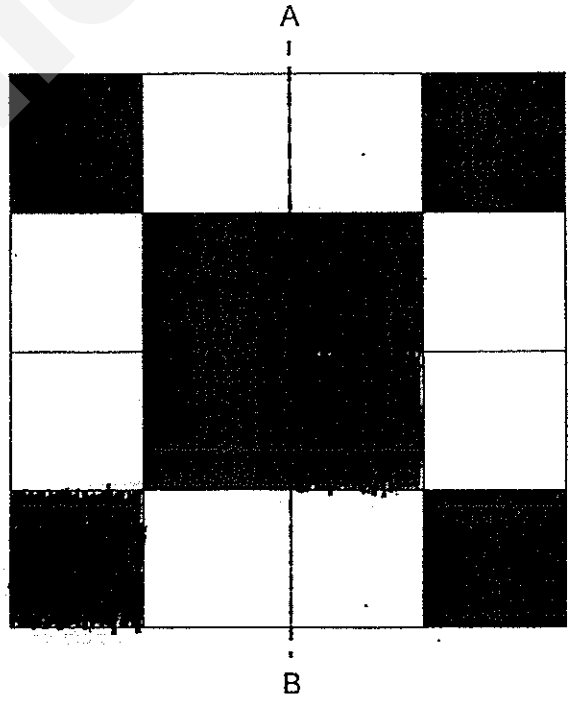
In the box above,

(a) shade a unit shape.

(b) extend the tessellation by drawing <u>one</u> more unit shape.

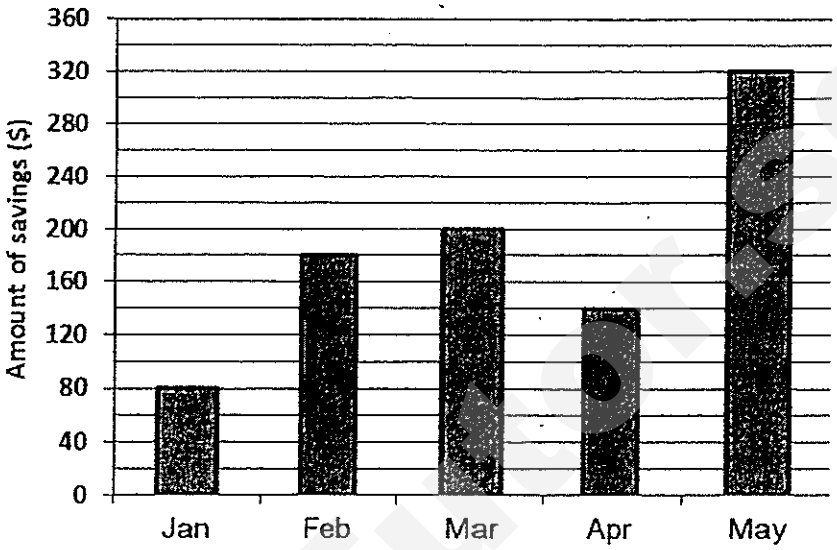
---

27 The figure below is made up of squares. Shade **two** squares to form a symmetric figure with AB as the line of symmetry.



The graph below shows the amount of money Lenny saved in five months.

Study the graph carefully and answer questions **28 and 29**.



28 How much less did Lenny save in January than May?

Ans: $ _____

29 Lenny donated $\frac{1}{4}$ of his total savings from January to March. How much did he donate?

Ans: $ _____

4

30 Danny took 159 seconds to brush his teeth. How many minutes and seconds did he take?

Ans: _____ min _____ s

31 Molly had three $50 notes in her wallet. After paying for a pair of running shoes, she had $5.75 left in her wallet. What was the cost of Molly's running shoes?

Ans: $ _____

32 There were some pupils in the gardening club. At the end of Term 1, 19 pupils left the gardening club. In Term 2, 7 new pupils joined the gardening club. There were 55 pupils left in the gardening club. How many pupils were in the gardening club at first?

Ans: _____

6

33 Bag A and bag B contained $7\frac{5}{8}$ kg of flour altogether. Bag A contained $4\frac{1}{2}$ kg of flour. What was the difference in the mass between bag A and bag B?

Ans: _____ kg

---

34 Sarah had some marbles. If she packed her marbles into bags of 4, she would have 2 marbles left. If she packed her marbles into bags of 7, there would be only 4 marbles in the last bag. What was the smallest possible number of marbles Sarah had?

Ans: _____

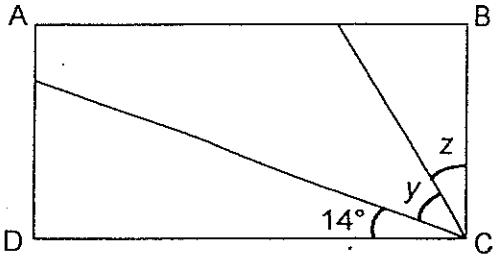
4

Section C

Questions **35** to **38** carry 3 marks each. Questions **39** to **43** carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. (32 marks)

---

35 The figure below shows a rectangle ABCD.
$\angle y = \angle z$. Find $\angle y$.



Ans: _____ [3]

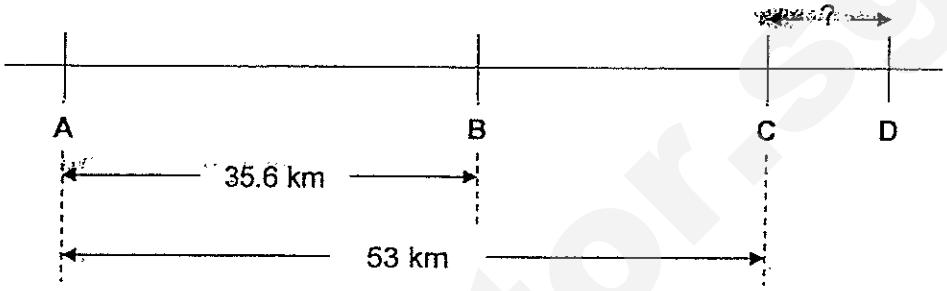
---

36 Mary had 144 stickers. She gave $\frac{1}{3}$ of her stickers to Nelly and $\frac{1}{9}$ of her stickers to Tessa. How many stickers did Mary have left?

Ans: _____ [3]

6

37 The diagram below shows the distances between four towns. The distance from Town A to Town B is 35.6 km. The distance from Town A to Town C is 53 km. The distance from Town B to Town C is twice as much as the distance from Town C to Town D. What is the distance from Town C to Town D?



Ans: _____ [3]

3

38 Study the pattern of dots and lines below.

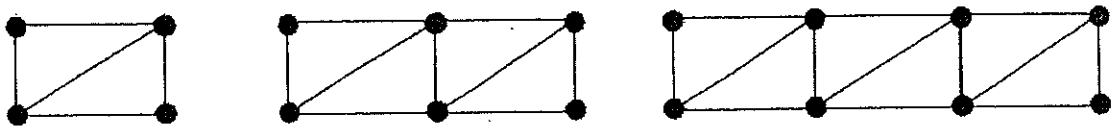


Figure 1 Figure 2 Figure 3

(a) Complete the table below. [1]

Figure number	*Number of rectangles*	*Number of dots*	*Number of lines*
1	1	4	5
2	2	6	9
3	3	8	13
5	5	12	(a) _____

(b) How many rectangles will there be when there are 54 dots in the figure?

Ans: _____ [2]

3

39 Diane spent \$39 on some books and $\frac{4}{7}$ of her original amount of money on some stationery. She had \$9 left. How much money did she spend?

Ans: _____ [4]

---

40 Gopal took a flight from Singapore to Kuala Lumpur. The flight took 55 minutes, arriving at Kuala Lumpur at 00 02. He then took another flight from Kuala Lumpur to Tokyo at 01 55.

(a) At what time did Gopal leave Singapore?

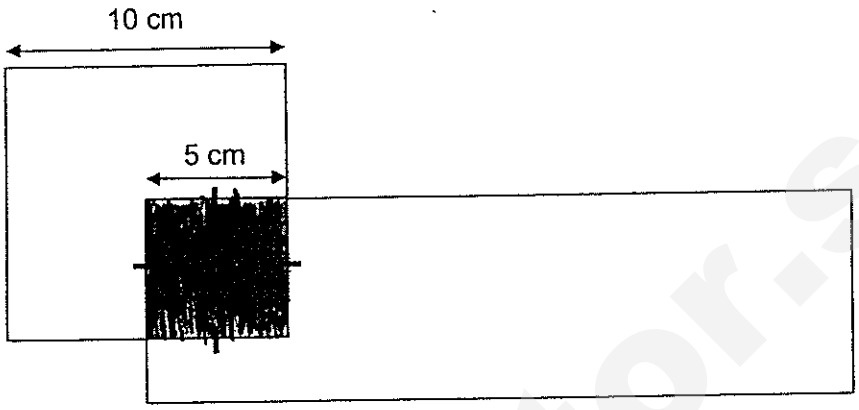
(b) The flight from Kuala Lumpur to Tokyo took 7 h 30 min. At what time would Gopal arrive in Tokyo?

Ans: (a) _____ [2]

(b) _____ [2]

4

41 The figure below is made up of a square and a rectangle overlapping each other at the shaded part. The area of the rectangle is twice the area of the square. Find the area of the whole figure.



Ans : _____ [4]

42 Dave bought 40 kg of rice. He gave his neighbour 8 kg of rice and repacked part of the remaining rice into 5 small bags. If he still had 13.8 kg of rice left, what is the mass of each small bag of rice?

Ans: _____ [4]

4

43 At a Children's Day party, every boy was given 2 balloons and every girl was given 3 balloons. There were thrice as many boys as girls at the party. If 279 balloons were given out in total, how many boys were there at the party?

Ans : _____ [4]

End-of-paper

Check your work carefully.

4

EXAM PAPERS 2014

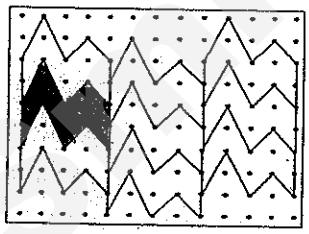
SCHOOL: AI TONG SCHOOL
SUBJECT: MATHEMATICS
LEVEL: PRIMARY 4
TERM: SA 2

PAPER 1 BOOKLET A

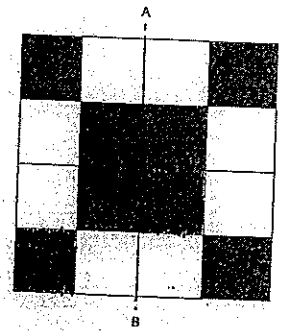
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	2	3	4	2	3	4	3	2	2
Q11	Q12	Q13	Q14						
2	3	4	4						

BOOKLET B

Q15 2005
Q16 38269
Q17 6 and 9
Q18 3 2/3
Q19 5/8
Q20 32
Q21 0.075, 0.705, 3/4
Q22 108
Q23 BE
Q24 124
Q25 (a) 135 (b)Community Library
Q26



Q27



Q28 120
Q29 115
Q30 2min 39 s
Q31 144.25
Q32 67%

Q33 1 3/8

Q34 18

PAPER 2

Q35 90-14=76

76÷2=38

Ans: 38°

Ans:$2598.40

Q36 9u →144

1u→144÷9=16

5u→16x5=80

Ans:80

Q37 B to C→53-35.6=17.4

C to D→17.4÷2=8.7

Ans: 8.7km

Q38 (a)

Figure number	Number of rectangles	Number of dots	Number of lines
1	1	4	8
2	2	6	9
3	3	8	10
4	4	10	11
5	5	12	12

(b)

6	14	13	28	22	46
7	16	14	30	23	48
8	18	15	32	24	50
9	20	16	34	25	52
10	22	17	36	26	54

Ans: 26

Q39 3u→39÷9=48

1u→48÷3=16

7u→16x7=112

112-9=103

Ans:$103

Q40 (a)

(b)

Ans:(a)2307 (b)0925

Q41 5x5=25

10x10=100

100x2=200

100+200=300

300-25=275

Ans:275cm²

Q42 40-8=32
32-13.8=18.2
18.2÷5=3.64
Ans:3.64kg

Q43 2x3=6
6+3=9
279÷9=31
31x3=93
Ans:93

Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2014
MATHEMATICS
BOOKLET A
PRIMARY FOUR

Name: _____ ( ) **Class: Primary 4** ___

Date: 29 October 2014 **Duration of Booklet A & B: 1h 45min**

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 7 printed pages, including cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.

SECTION A - Multiple Choice Questions (30 MARKS)

Questions 1 to 15 carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. 27 thousands, 6 hundreds and 8 tens is the same as _____.

   (1) 27 068

   (2) 27 086

   (3) 27 608

   (4) 27 680

2. Which one of the following is a common factor of 54 and 63?

   (1) 6

   (2) 7

   (3) 8

   (4) 9

3. In a cinema, there are 26 rows of seats. In each row, there are 18 seats.

   How many seats are there in the cinema altogether?

   (1) 144

   (2) 234

   (3) 468

   (4) 520

4. Arrange the following fractions from the smallest to the greatest.

$$\frac{2}{3}, \frac{3}{4}, \frac{5}{8}$$

	(smallest)		*(greatest)*
(1)	$\frac{2}{3}$,	$\frac{5}{8}$,	$\frac{3}{4}$
(2)	$\frac{3}{4}$,	$\frac{5}{8}$,	$\frac{2}{3}$
(3)	$\frac{5}{8}$,	$\frac{2}{3}$,	$\frac{3}{4}$
(4)	$\frac{3}{4}$,	$\frac{2}{3}$,	$\frac{5}{8}$

5. How many one-sixths are there in 3 wholes?

(1) 18

(2) 12

(3) 9

(4) 6

6. Express $2\frac{1}{3}$ years in months.

(1) 28

(2) 24

(3) 7

(4) 4

7. In which of the following numbers does the digit 6 stands for 6 hundredths?

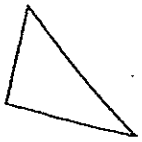
(1) 173.816

(2) 264.891

(3) 324.568

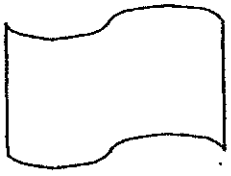
(4) 437.682

8. Which of the following figures cannot tessellate?

(1) 

(2) 

(3) 

(4) 

9. 45.008 expressed as a fraction is _____.

(1) $\frac{458}{1000}$

(2) $45\frac{4}{5}$

(3) $45\frac{2}{25}$

(4) $45\frac{1}{125}$

10. Which one of the following numbers when rounded off to the nearest hundred becomes 59 000?

(1) 58 093

(2) 58 848

(3) 59 028

(4) 59 853

11. A square garden has a perimeter of 48 m. What is its area?

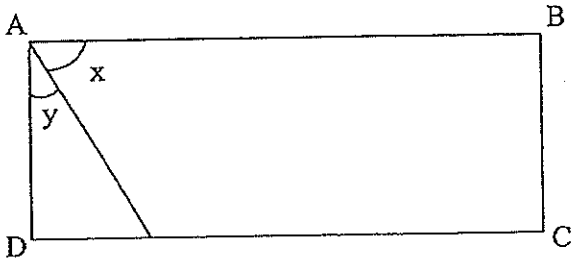
(1) 12 m^2

(2) 24 m^2

(3) 124 m^2

(4) 144 m^2

12. In the figure below, ABCD is a rectangle.



Given that the size of $\angle y$ is 30°, find $\angle x$.

(1) 15°

(2) 45°

(3) 60°

(4) 90°

13. At a party, every 7th guest gets a voucher and every 9th guest gets a mug. What is the position of the first guest who will get both a voucher and a mug?

(1) 27

(2) 36

(3) 42

(4) 63

14. Father drove from Town A to Town B. The journey took 7 hours 15 minutes. He set off at 8.50 p.m. What time did he arrive at Town B?

(1) 3.05 a.m.

(2) 3.50 a.m.

(3) 4.05 a.m.

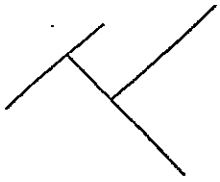
(4) 4.50 a.m.

15. Which of the following figures contains both parallel and perpendicular lines?

(1)

(2)

(3)



(4)

Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2014
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ ( ) Class: Primary 4 ___

Date: 29 October 2014 Duration of Booklets A & B: 1h 45min

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 17 printed pages, including cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section	Maximum Marks	Marks Obtained
A. Multiple-Choice Questions	30	
B. Short Answers	40	
C. Problem Sums	30	
Total Marks	100	

SECTION B - Short Answers (40 Marks)

Questions 16 to 35 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

16. 96 084 = 90 000 + 6 000 + _____ + 4

What is the missing number?

Answer : _____

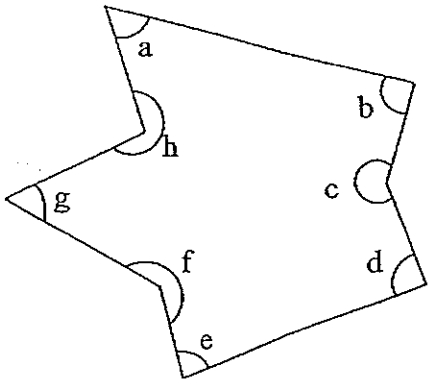
17. Find the value of $1-\frac{1}{3}-\frac{1}{4}$.

Answer : _____

18. What is the value of the digit **6** in 76 254?

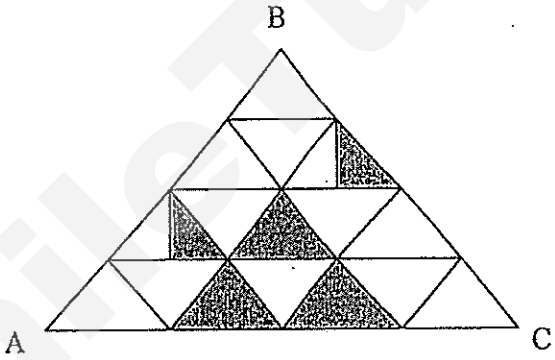
Answer : _____

19. In the figure, two of the angles are right angles. Name the angles.



Answer : ∠_____ and ∠_____

20. In the figure below, triangle ABC is made up of 16 triangles of the same size. What fraction of triangle ABC is shaded? Give your answer in the simplest form.



Answer : _____

21. Sofia mixed 1.08 ℓ of orange syrup with water to make drinks for 8 people. The amount of water used was twice that of the orange syrup.
How much drink will each one get?

Answer : _____ ℓ

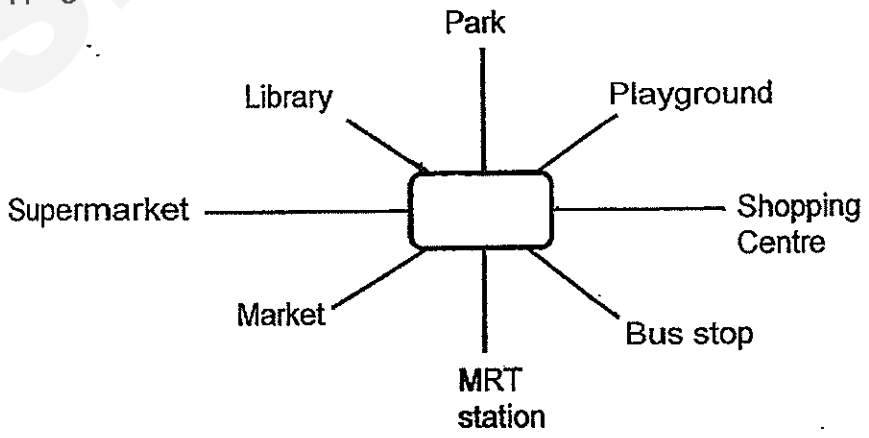
22. 32.9 – 5.83 = _____

Answer : _____

23. Express $\frac{3}{4}$ as a decimal.

Answer : _____

24. Kelly is facing the library. If she turns _____ ^{o} clockwise, she will face the shopping centre.



Answer : _____ ^{0}

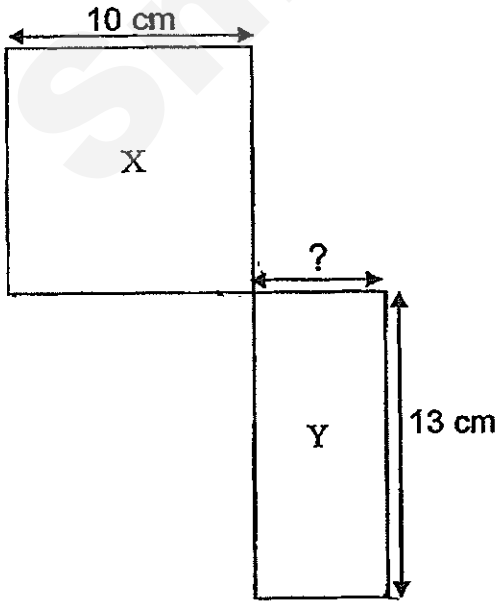
25. I think of a number. It is smaller than 30. It is a multiple of 7. If I add 15 to the number, it will be a multiple of 4 and 9. What is the number?

Answer : _____

26. Round off 18.596 to the nearest hundredth.

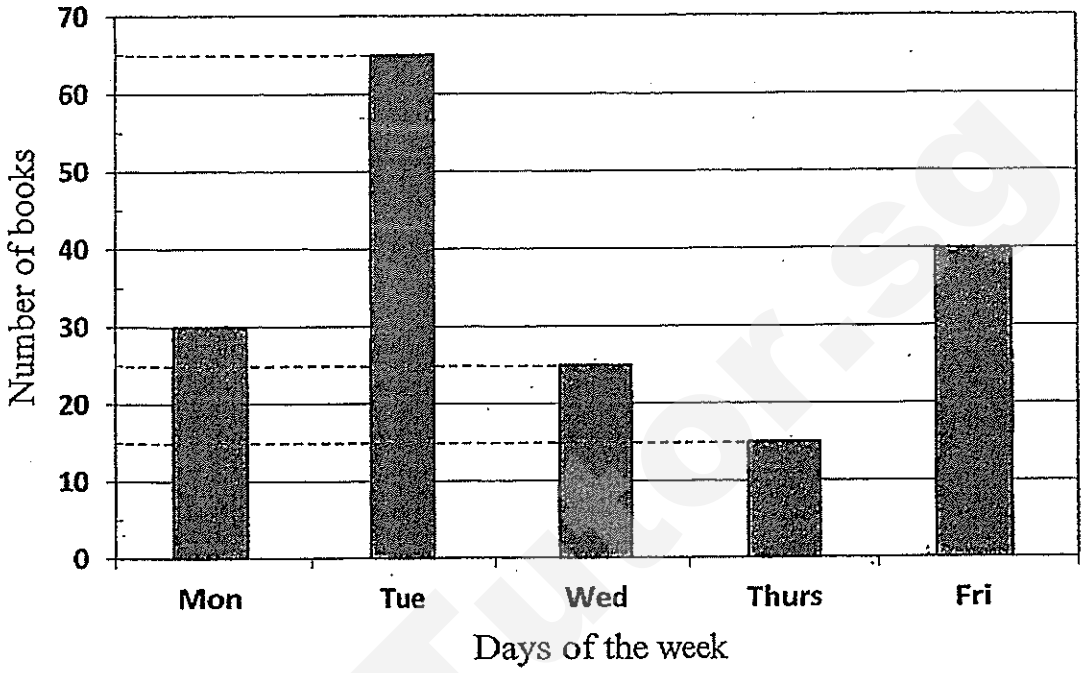
Answer : _____

27. The figure below comprises Square X and Rectangle Y. Both Square X and Rectangle Y have the same perimeter. Find the breadth of Rectangle Y.



Answer : _____ cm

Study the graph below carefully and answer questions 28 and 29. The graph below shows the number of books borrowed by pupils from the library in a week.



28. What is the difference between the number of books on Tuesday and Thursday?

Answer : _____

29. On which day was the number of books borrowed from the library $\frac{5}{8}$ of the number of books borrowed on Friday?

Answer : _____

30. $36.28 = 36 + \frac{7}{\boxed{?}}$

What is the missing number in the box?

Answer : _____

31. The table below shows the starting and ending time of 3 activities.

	Activity A	Activity B	Activity C
Starting Time	10.15 a.m.	10.45 a.m.	10.30 a.m.
Ending Time	12:30 p.m.	1.15 p.m.	12.15 p.m.

Which activity lasts the longest?

Answer : Activity _____

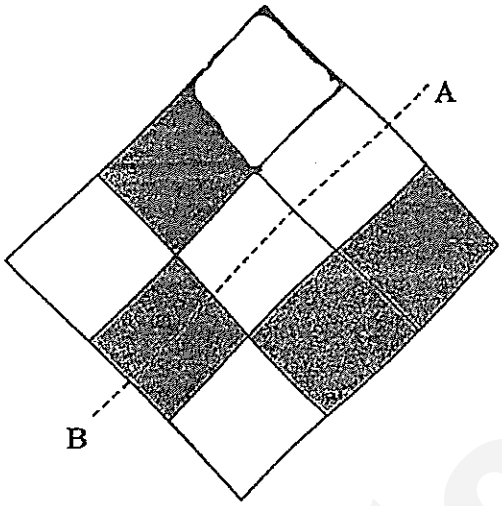
32. Alex is seated in a concert hall. There are 18 seats to his right and 7 seats to his left. There are 5 rows of seats in front of him and 9 rows behind him. All the rows have the same number of seats. How many seats are there in the concert hall?

Answer : _____

33. Shana ended her swimming lesson at 3.15 p.m. If her swimming lesson took 2 hours 25 minutes, what time did she start her swimming lesson? Express your answer in 24-hour clock format.

Answer : _____

34. In the figure below, the dotted line AB is the line of symmetry.
Shade one more unit square on the grid below to complete the symmetric figure.



35. Find the value of 67.43 x 8.

Answer : _____

SECTION C - Problem Sums (30 Marks)

For each question from 36 to 43, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [ ].

36. A sack contained 14.5 kg of flour. Mr Tan used 9.86 kg and packed the rest equally into 8 bags. What was the mass of flour in each bag?

Answer: _____ [3]

37. There were yellow and green balls in a store. $\frac{3}{8}$ of the balls in the store were yellow. There were 296 more green balls than yellow balls. How many balls were there in the store?

Answer: _____ [4]

38. A pen and an exercise book cost \$2.40. 3 pens and 5 exercise books cost \$9.80. Find the cost of an exercise book.

Answer: _____ [4]

39. Jason takes 1 hour 40 minutes to assemble his first car model. He took 30 minutes more to assemble his second car model.

a) If he starts assembling his first car model at 11.30 a.m., what time will he complete assembling his first car model?

Draw a timeline to show your working.

b) How long does he take to assemble the second car model?

Leave your answer in hours and minutes.

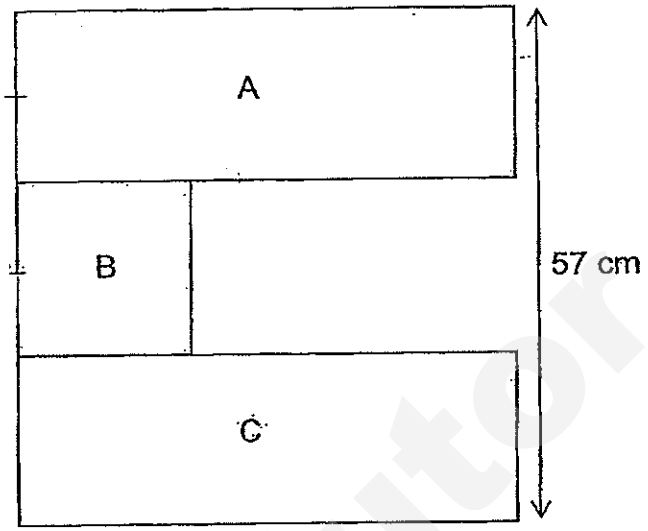
Answer: (a) _____ [2]

(b) _____ [2]

40. Aariz and Zara had 684 paper clips altogether. After Aariz used $\frac{1}{3}$ of his paper clips and Zara used 59 of her paper clips, they had the same number of paper clips left. How many paper clips did Aariz have at first?

Answer: _____ [4]

41. Study the composite figure below. The length of Rectangle A is 3 times the length of Square B. Rectangles A and C are identical. Find the area of the figure.

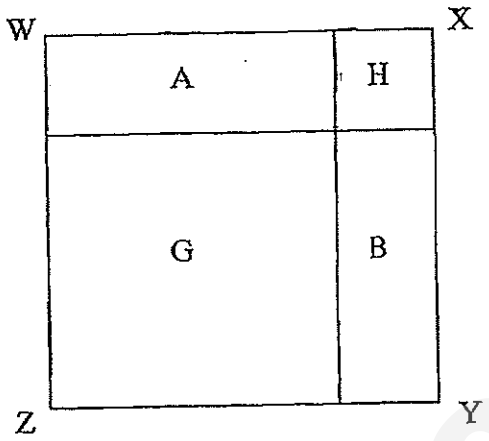


Answer: _____ [4]

42. Kate had some beads and containers. If she placed 45 beads in each container, she had 33 beads left. If she placed 53 beads in each container, she was short of 39 beads. How many containers did Kate have?

Answer: _____ [4]

43. The figure WXYZ below is made up of 2 identical rectangles, A and B and 2 squares, G and H. The perimeter of rectangle A and B is 84 cm each. Find the area of the figure.



Answer:_____ [3]

End-of-Paper

Anglo-Chinese School (Primary)

End-of-Year Examination 2014

Mathematics Primary 4

1) 4
2) 4
3) 3
4) 3
5) 1
6) 1
7) 3
8) 2
9) 4
10) 3
11) 4
12) 3
13) 4
14) 3
15) 3
16) 80
17) 5/12
18) 6000
19) Angle d & Angle b
20) ¼
21) 1.08X3 = 3.24 litres

    3.24/8 = 0.405 litres

22) 27.07

23) 0.75

24) 135°

25) 21

26) 18.60

27) 10cm X 4 = 40 cm

(40-13-13) cm = 14 cm

14/2 = 7 cm

28) 65-15 = 50

29) 8u --> 40 books

5u --> ⅝ X 40 = 25 books

Ans: Wednesday

30) 0.28 = 28/100 = 7/25

Ans: 25

31) Activity B (2½h is more than 2¼h, also more than 1¾h)

32) 18+7+1 = 26 columns (including Alex's seat)

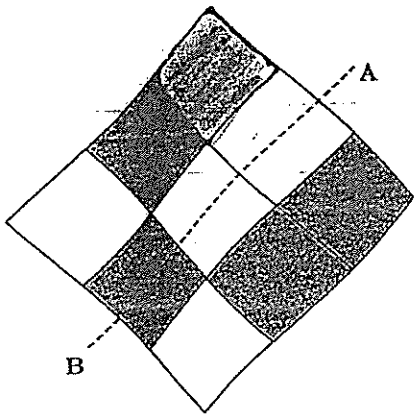
5+9+1 = 15 rows (including Alex's seat)

26X15 = 390 seats

33) 3.15pm = 15 15

```
  15 15
-  2 25
-----------
  12 50
-----------
```

34)

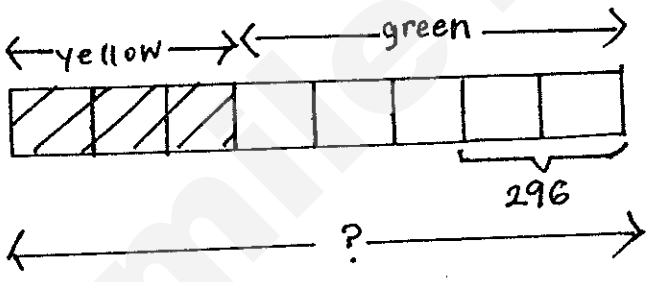


35) 539.44

36) (14.5-9.86) kg = 4.64 kg

4.64kg/8 = 0.58 kg

37)

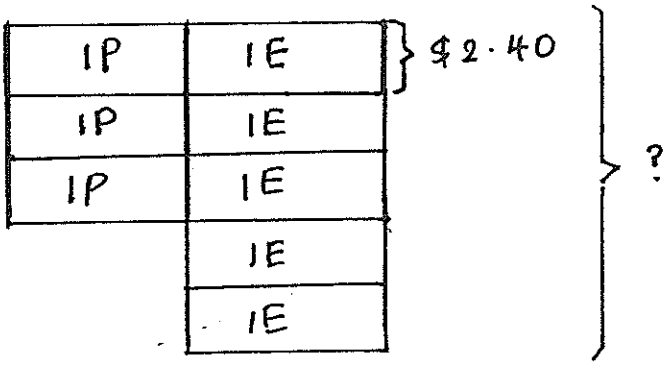


5u-3u = 2u

2u --> 296

8u --> 8/2X296 = 1184 balls

38)



1 pen + 1 exercise book --> $2.40

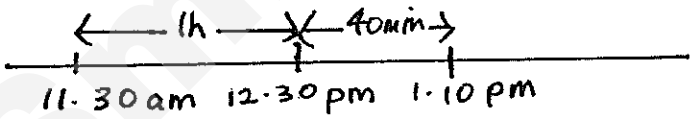
3 pens + 3 exercise books --> $7.20

3 pens + 5 exercise books --> $9.80

Difference: 2 exercise books --> $9.80-$7.20 = $2.60

1 exercise book --> $2.60/2 = $1.30

39)

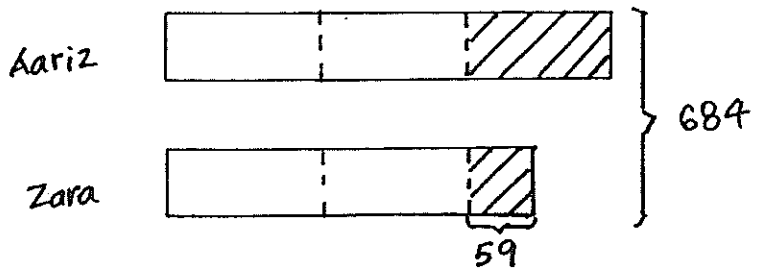


a) Ans: 1.10 p.m.

b) 1h 40min
+ 30min

2h 10min
---

40)



684-59 = 625

625/5 = 125

125X3 = 375 paper clips

41) 57cm/3 = 19 cm

19cmX19cm = 361 cm^2 (Area of Square B)

19cmX3 = 57 cm (Length of Rectangles A & C)

57cmX19cmX2 = 2166 cm^2 (Area of Rectangles A & C)

(2166+361) cm^2 = 2527 cm^2 (Area of the figure)

42) 33+39 = 72 (extra beads)

53-45 = 8 (extra beads in 1 container)

72/8 = 9 containers

43) For Rectangle A & B, 1length + 1breadth = 84/2 = 42 cm (this also forms the length of the figure)

Area of figure = 42cm X 42cm = 1764 cm^2

CATHOLIC HIGH SCHOOL
END-OF-YEAR EXAMINATION 2014
MATHEMATICS
PRIMARY 4

Name :_____ ( )

Class: Primary 4 _____

Date: 31 Oct 2014

Duration: 1 h 45 min

Section A	40
Section B	40
Section C	20
Total Marks	100

Parent's Signature:_____

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

For section A, shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 21 printed pages.

Section A: Multiple-Choice Questions (40 marks)

Questions 1 to 20 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4).
Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).
SHADE the oval completely. All diagrams are not drawn to scale.

---

1. Which number below is **10 more than** 8567?

(1) 8557

(2) 8568

8577

(4) 8667

---

2. Which of the following are common factors of 27 and 36?

(1) 1 and 4

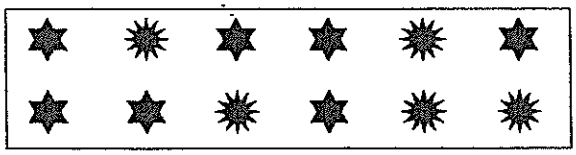
(2) 3 and 4

(3) 3 and 9

(4) 6 and 9

---

3. In the box below, there are identical ✸ and ✹. What fraction of the shapes in the box are ✸?



(1) $\frac{5}{12}$

(2) $\frac{7}{12}$

(3) $\frac{5}{7}$

(4) $\frac{7}{5}$

---

4. Find the value of $\frac{7}{12} - \frac{1}{3}$

(1) $\frac{1}{2}$

(2) $\frac{2}{3}$

(3) $\frac{1}{3}$

(4) $\frac{1}{4}$

---

5. Write $4\frac{2}{5}$ as a decimal.

(1) 4.025

(2) 4.25

(3) 4.04

(4) 4.4

---

6. In the number 97.86, the digit _____ is in the tenths place.

(1) 6

(2) 7

(3) 8

(4) 9

---

7. Lisa had 7 boxes of sweets, each containing 75 sweets. She repacked them into small packs of 5 sweets each. How many small packs did she have?

(1) 15

(2) 35

(3) 105

(4) 525

---

8. A farmer had an equal number of pears and apples at first. After throwing away 52 rotten pears and 100 rotten apples, he had three times as many pears as apples. How many apples was he left with?

(1) 16

(2) 24

(3) 48

(4) 72

---

9. Mrs Tan packed 171 muffins into some boxes. Each box contained 9 muffins. She sold each box of muffins at $6. How much would she collect if she sold all the muffins?

(1) $64

(2) $114

(3) $126

(4) $654

---

10. 1 correction tape cost as much as 2 pencils. Tom paid $12 for 2 correction tapes and 2 pencils. Find the cost of 1 correction tape.

(1) $6

(2) $2

(3) $3

(4) $4

---

11. Lisa paid $13.60 for 4 cakes and 4 buns. Each cake cost $0.40 more than each bun. What was the cost of 1 bun?

(1) $1.30

(2) $1.50

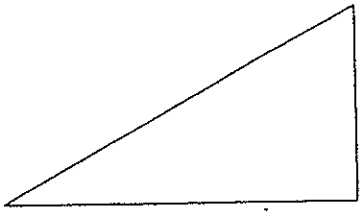
(3) $1.70

(4) $1.90

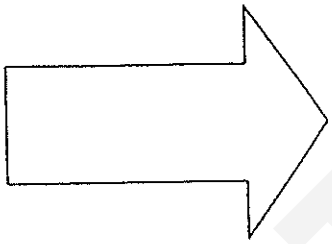
---

12. Which one of the following figures has a line of symmetry?

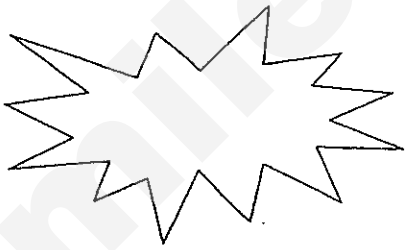
(1)



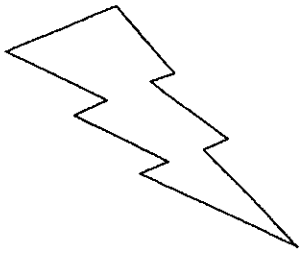
(2)



(3)

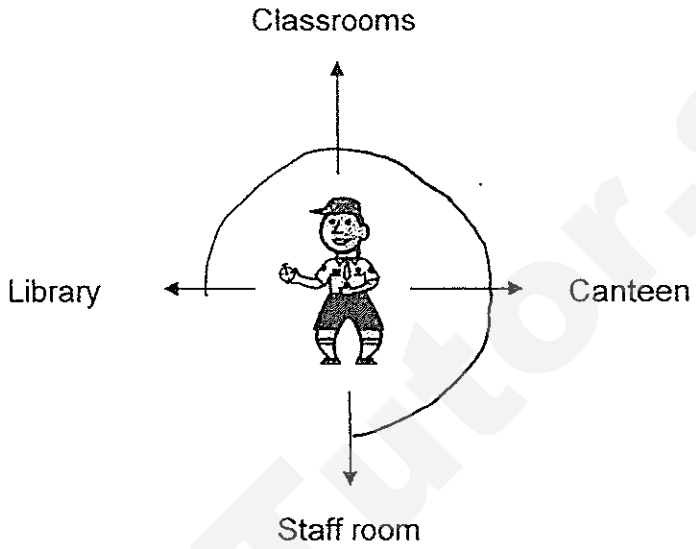


(4)



( )

13. John is facing the staff room now. After making a $\frac{3}{4}$- turn in the anti-clockwise direction, where will he be facing?



(1) Library

(2) Canteen

(3) Staff room

(4) Classrooms ( )

---

14. A party ended at 00 15. The duration of the party was 3 h 45 min. What time did the party start?

(1) 4 a.m.

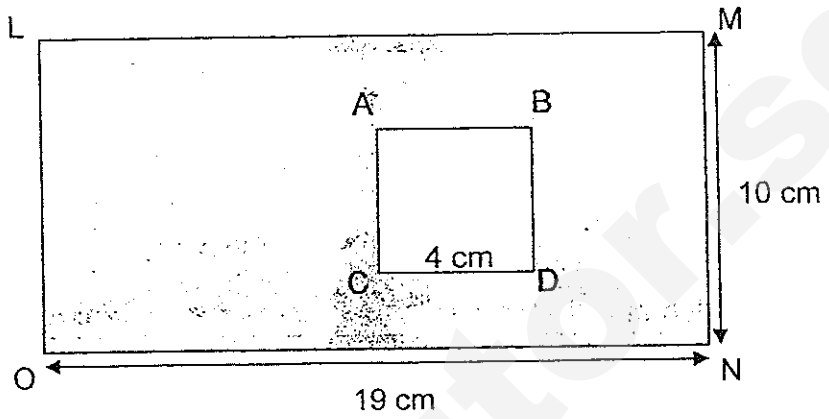
(2) 4 p.m.

(3) 8.30 a.m.

(4) 8.30 p.m. ( )

---

15. LMNO is a rectangle and ABCD is a square of side 4 cm. What is the area of the shaded part in the figure given below?



(1) 16 cm^2

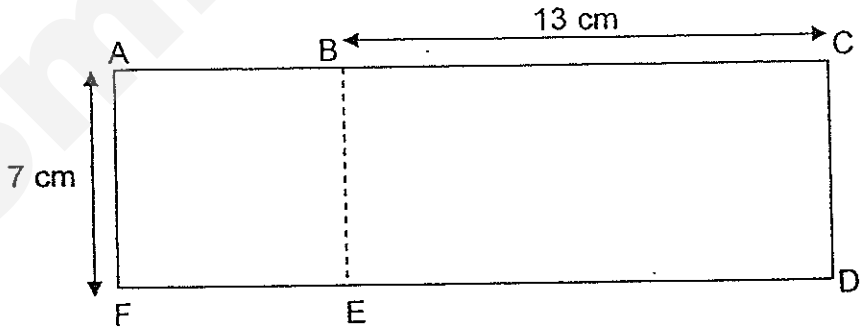
(2) 76 cm^2

(3) 174 cm^2

(4) 190 cm^2 ( )

---

16. The figure below is made up of a square ABEF and a rectangle BCDE. Find the perimeter of the figure, ABCDEF.



(1) 20 cm

(2) 40 cm

(3) 54 cm

(4) 61 cm ( )

---

17. Mrs Chandra bought $\frac{3}{5}$ kg of flour from a shop. She bought $\frac{9}{10}$ kg of flour less than Mrs Tan. How much flour did Mrs Tan buy?

(1) $\frac{3}{10}$ kg

(2) $\frac{12}{15}$ kg

(3) $1\frac{1}{5}$ kg

(4) $1\frac{1}{2}$ kg

---

18. Jason and his sister bought a hamper for their grandmother on her birthday. The hamper cost \$252. Jason paid $\frac{4}{7}$ of the cost. How much did his sister pay?

(1) \$36

(2) \$84

(3) \$108

(4) \$144 ( )

---

19. Sally spent $\frac{1}{6}$ of her money on food. She also bought a book for \$19. She was left with \$56. How much money did she spend on food?

(1) \$15

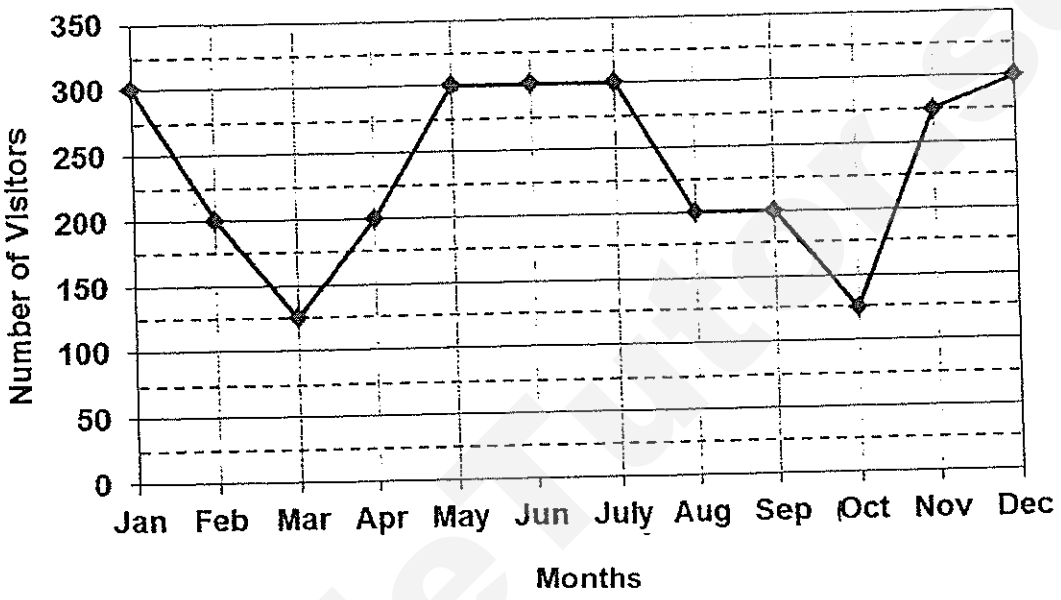
(2) \$37

(3) \$75

(4) \$90 ( )

Study the graph below carefully and answer question 20.

The line graph shows the number of visitors who visited a particular website in a year.



20. What was the total number of visitors from October to December?

(1) 175

(2) 400

(3) 475

(4) 700

Section B: Short Answer Questions (40 marks)

Question 21 to 40 carries 2 marks each. Write your answer in the blank provided.

Do not write in this space

21. Write the missing number in the number pattern below.

3661 , 3808 , 3955 , _____ , 4249

Ans: _____

22. Round off 73 501 to the nearest hundred.

Ans: _____

23. What is the missing number in the box below?

$$\frac{23}{6} = 3\frac{\quad}{6}$$

Ans: _____

24. Arrange the following fractions from the smallest to the greatest.

$\frac{1}{2}$, $\frac{3}{5}$, $\frac{2}{5}$

Ans: _____ , _____ , _____

25. Write 5 hundredths as a decimal.

Do not write in this space

Ans: _____

26. 13.75 — 1.19 = _____.

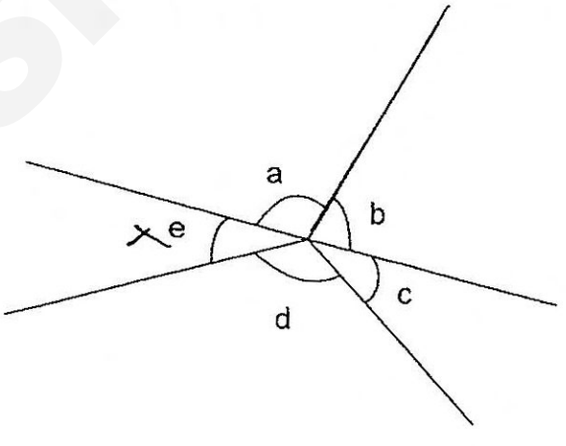
Ans: _____

27. Arrange the following decimals from the smallest to the greatest.

0.81 , 8.1 , 0.801 , 0.081

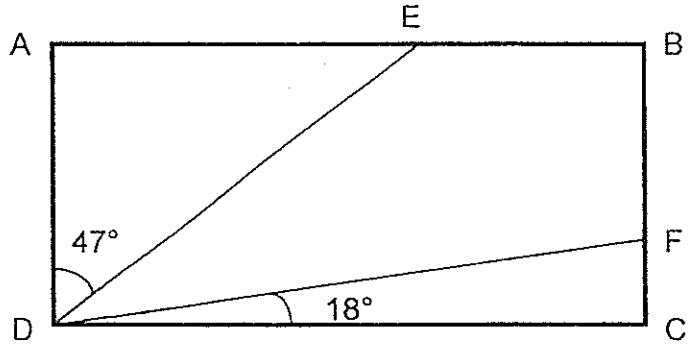
Ans: _____ , _____ , _____ , _____

28. In the figure below, name the two angles that are greater than 90°



Ans: ∠_____ and ∠_____

29. In the figure shown, ABCD is a rectangle. Find ∠FDE.



Ans: _____

Do not write in this space

30. Mr and Mrs Muhammad took their 2 children to a fair. An adult's ticket cost four times as much as a child's ticket. Mr Muhammad paid a total of $80. What was the cost of a child's ticket?

Ans: $_____

31. Ali changed $245 into two-dollar notes and five-dollar notes. The number of two-dollar notes and five-dollar notes was the same. How many five-dollar notes did he get?

Ans: _____

Do not write in this space

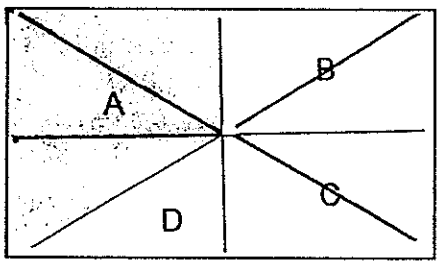
32. At a supermarket, potato chips were sold at 2 packets for \$6. Sally bought 8 such packets. How much did she pay?

Ans: \$ _____

33. Ali had \$360. He spent $\frac{7}{9}$ of his money on a leather jacket. How much did the leather jacket cost?

Ans: \$ _____

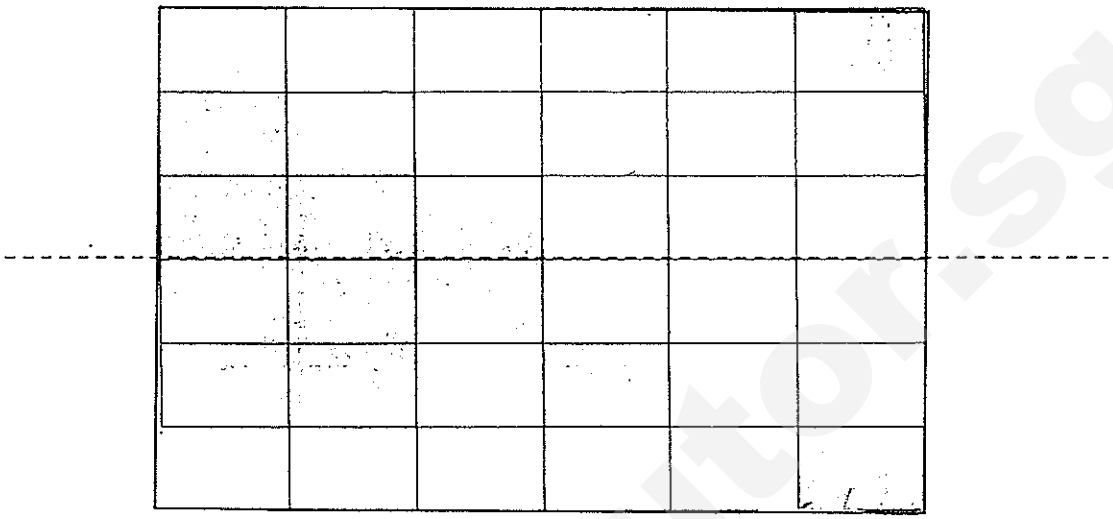
34. In the figure below, a rectangle is divided into 4 parts, A, B, C and D. A and D form half of the rectangle. The area of B and C are identical. What fraction of the figure is shaded?



Ans: _____

35. The dotted line is a line of symmetry. Shade 2 more rectangles to make a symmetric pattern.

Do not write in this space



36. The table below shows the movie schedule at a cinema.

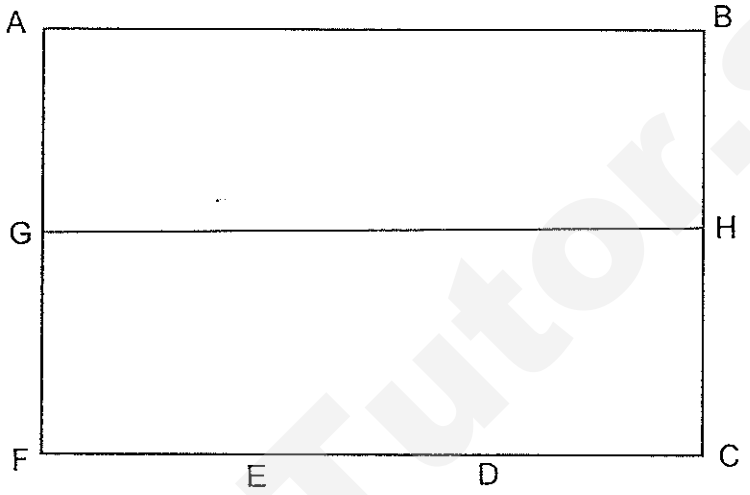
SCREENING NOW		
Show	**Start Time**	**Duration of Movie**
Peter Wok	12.30 p.m., 2.30 p.m., 4.30 p.m.	1 h 25 min
Be Movie	3 p.m., 6 p.m.	2 h 15 min
Happy Fit	11.00 a.m., 1.30 p.m., 3.15 p.m.	1 h 35 min
Steel Man	3.05 p.m., 5.30 p.m.	2 h

Alan arrives at the cinema at 3.00 p.m. . His father will pick him up at 5.00 p.m. . Which movie can Alan watch from the start to the end?

Ans. _____

37. The figure below is made up of a rectangle ABHG and three identical squares. The perimeter of the figure is 50 cm and BH=HC.
Find the length of FE.

Do not write in this space



Ans: _____ cm

38. The table below shows the favourite games of 379 children.

Games	Number of Children
Mindcraft	?
Mooncraft	76
Crash of Clans	?

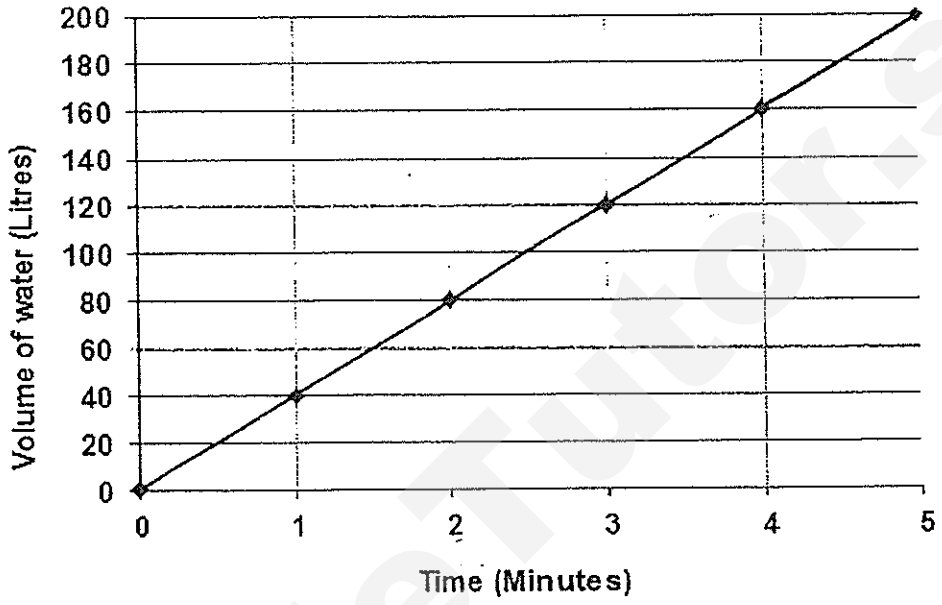
The number of children who likes Mindcraft is two times that of those who likes Crash of Clans. How many children like Crash of Clans?

Ans: _____

Study the graph below carefully and answer question 39.

The following line graph shows the number of minutes it takes to fill a 200-litre tank with water.

Do not write in this space



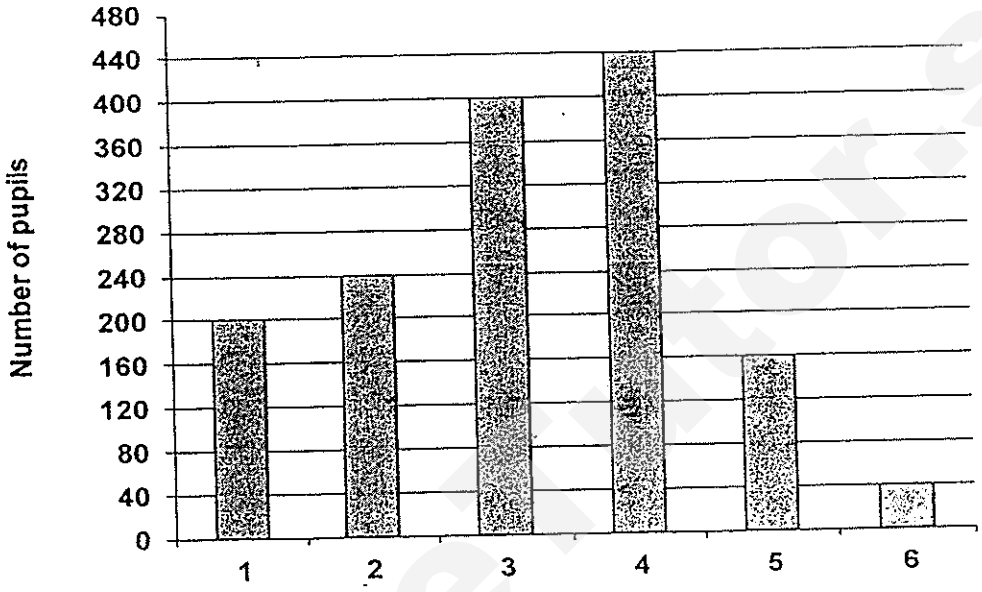
39. How long would it take to fill the tank with 160 litres of water?

Ans: _____ minutes

Study the graph below carefully and answer question 40.

The following bar graph shows the number of pupils who borrowed books from the library in June 2014.

Do not write in this space



40. How many pupils borrowed more than 3 books?

Ans: _____

Section C: Long Answer Questions (20 marks)

Question 41 to 45 carries 4 marks each. Write your answer in the blank provided. Show your workings clearly.

Do not write in this space

41. Alice, Betty and Chris had 890 stamps altogether. Alice had thrice as many stamps as Betty. Chris had 20 stamps more than Betty. How many stamps did Chris have?

Ans: _____ [4]

42. Adam has 336 stickers. He has six times as many stickers as his brother, Bruce. How many stickers must Adam give Bruce so that both of them will have an equal number of stickers?

Do not write in this space

Ans: _____ [4]

43. Alan, Ben and Clara went shopping. Alan and Ben spent a total of $225. Alan and Clara spent $585 altogether. Clara spent 4 times as much as Ben. How much did Alan spend?

Do not write in this space

Ans: _____ [4]

44. Tom and Jerry have the same number of stamps at first. After Tom gave 60 stamps to Jerry, Jerry has 9 times as many stamps as Tom. How many stamps does each of them have at first?

Do not write in this space

Ans: _____ [4]

45. There are 37 coins in a bag, consisting of 20-cents and 50-cents coins only. Given that the total amount in the bag is $14.60, how many 50-cent coins are there in the bag?

Do not write in this space

Ans: _____ [4]

END OF PAPER
Have you checked your work?

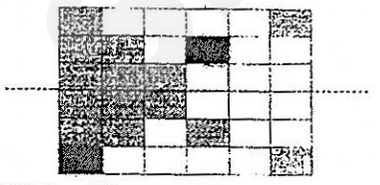
EXAM PAPER 2014
LEVEL : PRIMARY 4
SCHOOL : CATHOLIC HIGH
SUBJECT : MATHS
TERM : SA2

Section A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	3	2	4	4	3	3	2	2	4
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
2	2	1	4	3	3	4	3	1	4

Section B

Q21 4102
Q22 73 500
Q23 5
Q24 $\frac{2}{5}, \frac{1}{2}, \frac{3}{5}$
Q25 0.05
Q26 12.56
Q27 0.081, 0.801, 0.81, 8.1
Q28 $\angle a$ and $\angle$ b
Q29 25°
Q30 \$8
Q31 35
Q32 \$24
Q33 \$280
Q34 $\frac{3}{8}$
Q35



Q36 Happy Fit
Q37 5 cm
Q38 101
Q39 4 minutes
Q40 640

Section C

Q41 890 – 20 = 870
870 ÷ 5 = 174
174 + 20 = **194**

Q42 336 ÷ 6 = 56
336 + 56 = 392
392 ÷ 2 = 196
336 – 196 = **140**

Q43 \$585 - \$225 = \$360
\$360 ÷ 3 = \$120
\$225 - \$120 = **\$105**

Q44 9 unit – 1 unit = 8 unit
8 unit → 120
1 unit → 15
16 + 60 =**75**

Q45 Assume all are 20¢ coins

20¢ X 37 = 740¢
1460¢ - 740¢ = 720¢
50¢ – 20¢ = 30¢
720¢ ÷ 30¢ = **24**

Name: _____( )

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2014 Semestral Assessment Two

Booklet A

28 October 2014

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of **10** printed pages including the cover page.

Section A: (20 x 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

---

1. 80 000 + 3000 + 400 + 2 = _____

   1) 83 420
   2) 83 402
   3) 83 042
   4) 80 342

2. Which of the following is a multiple of 6?

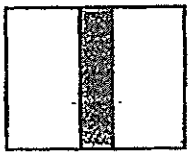
   1) 36
   2) 22
   3) 16
   4) 3

3. Express $\frac{27}{100}$ as a decimal.

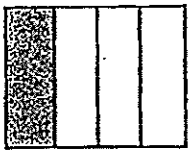
   1) 0.207
   2) 0.027
   3) 0.27
   4) 2.07

4. Which one of the following has $\frac{1}{3}$ of the figure shaded?

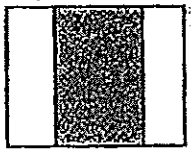
1)



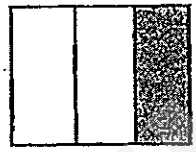
2)



3)



4)



5. 20.73 x 8 = _____

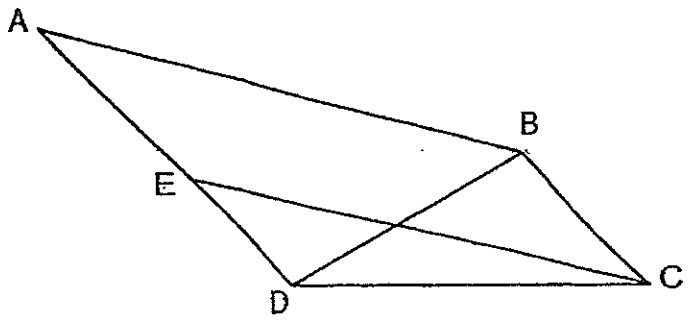
1) 165.84

2) 160.84

3) 160.73

4) 28.73

6. One of the lines in the figure is parallel to BC. Which line is parallel to BC?



1) AD

2) AB

3) BD

4) DB

7. 32 x 45 = _____ x 5

1) 7200

2) 1440

3) 385

4) 288

8. 5 min 16 s = _____ s

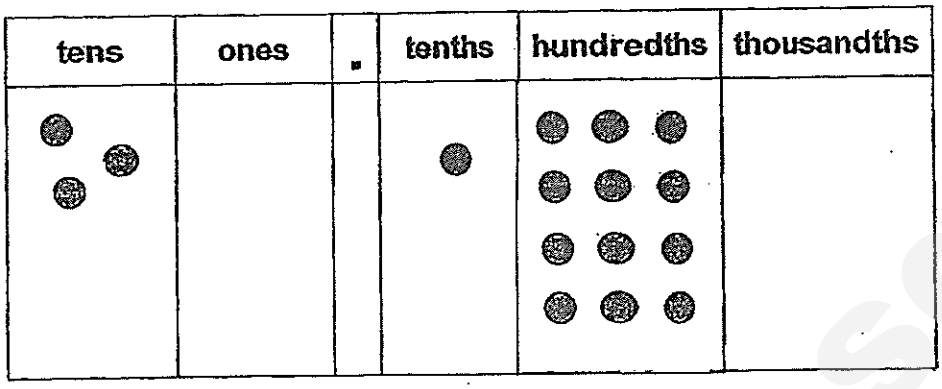
1) 21

2) 80

3) 316

4) 516

9. What is the decimal shown below?



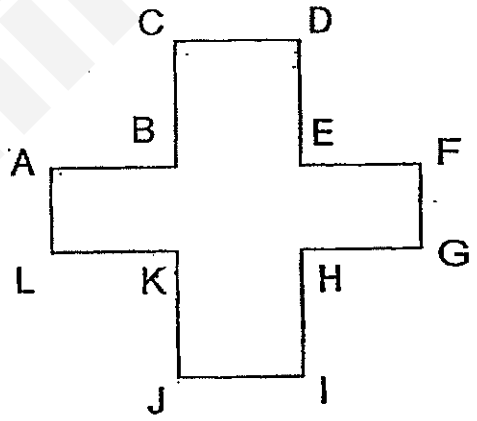
1) 3.112

2) 3.22

3) 30.112

4) 30.22

10. Look at the figure below. Which one of the following statements is correct?



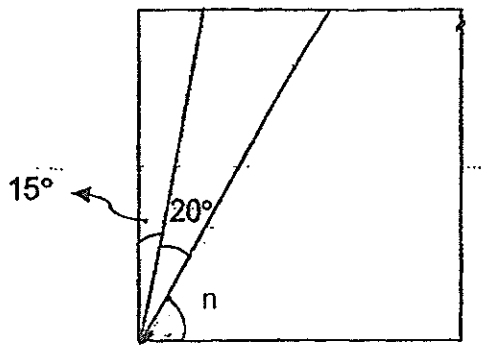
1) EF is parallel to HI.

2) CD is parallel to CB.

3) AB is perpendicular to JI.

4) KJ is perpendicular to LK.

11. The square below is not drawn to scale. Find ∠n.



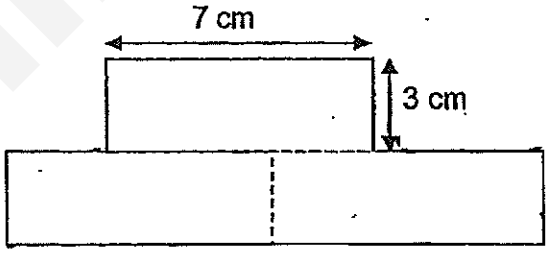
1) 25°

2) 35°

3) 45°

4) 55°

12. The figure below is made up of 3 identical rectangles. The length of the rectangle is 7 cm and its breadth is 3 cm. What is the perimeter of the figure?



1) 20 cm

2) 33 cm

3) 40 cm

4) 60 cm

13. Which of the following groups of decimals is arranged from the smallest to the greatest?

1) 3.7, 3.17, 3.171

2) 4.891, 4.19, 4.98

3) 9.73, 9.37, 9.573

4) 7.7, 7.706, 7.760

14. Gillian went for a gathering with her friends. She left home at 20 50 and returned home at 00 30 the next day. How long was she out that night?

1) 3 h 20 min

2) 3 h 40 min

3) 4 h 20 min

4) 4 h 40 min

15. 1 ruler cost as much as 2 erasers of the same type. Malcolm paid $4.80 for 1 ruler and 4 such erasers. Find the cost of 1 eraser.

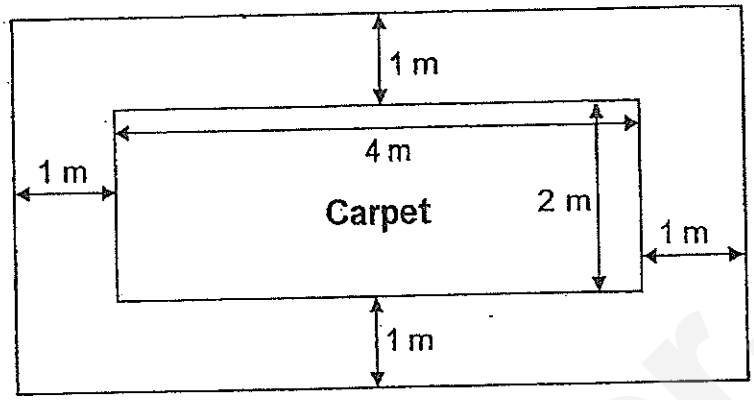
1) $0.80

2) $0.96

3) $1.20

4) $1.60

16. Mr Ng bought a carpet measuring 4 m by 2 m. He placed it in the middle of a rectangular room, leaving a border of 1 m around it. What was the area of the room **not** covered by the carpet?



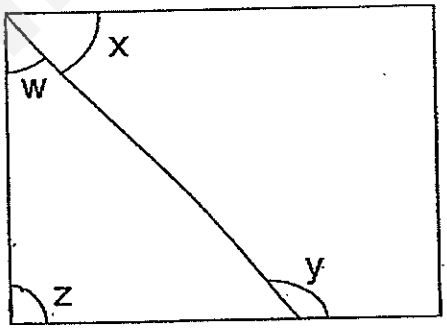
1) 7 m^2

2) 8 m^2

3) 16 m^2

4) 24 m^2

17. The following figure is a rectangle. Which 2 angles add up to 90° ?



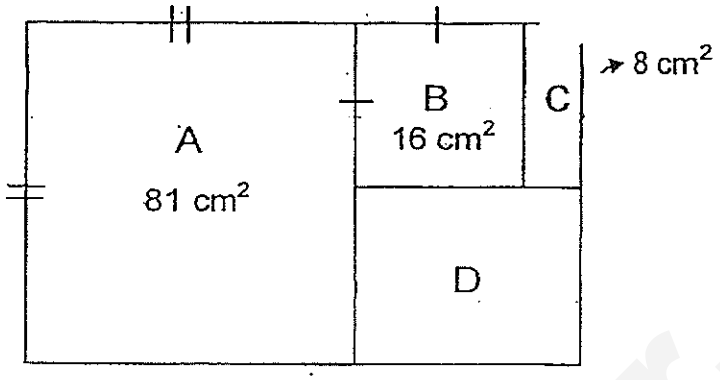
1) ∠w and ∠x

2) ∠x and ∠y

3) ∠y and ∠z

4) ∠x and ∠z

18 The figure, not drawn to scale, is made up of 2 squares and 2 rectangles. A and B are squares. Find the area of Rectangle D.



1) 57 cm^2

2) 30 cm^2

3) 25 cm^2

4) 24 cm^2

19: Victoria is 36.4 kg. She is 6.25 kg heavier than Wendy. Yannie is 3.8 kg lighter than Wendy. What is the mass of Yannie?

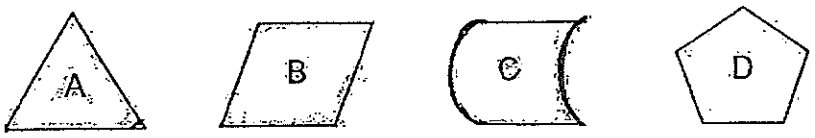
1) 26.35 kg

2) 38.85 kg

3) 56.5 kg

4) 81.5 kg

20. Which of the shapes below **cannot** be tessellated?



1) A

2) B

3) C

4) D

- END OF BOOKLET A -

Name : _____ ( )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2014 Semestral Assessment Two

Booklet B

28 October 2014

Booklet A :	**/ 40**
Booklet B :	**/ 60**
Total :	**/ 100**

_____

Parent's/Guardian's Signature

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of **16** printed pages including the cover page

Section B: (20 x 2 marks)

Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.

Do not write in this space

21. Round off 43 510 to the nearest hundred.

Ans : _____

22. 5006 – 843 = _____

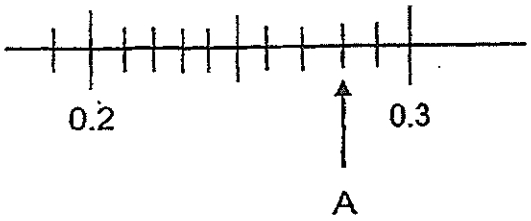
Ans : _____

23. Arrange the following fractions from the greatest to the smallest.

Ans : _____, _____, _____
(greatest) (smallest)

Do not write in this space

24. Write the decimal represented by A.



Ans : _____

25. Find the value of $1 - \frac{1}{8} - \frac{1}{4}$.

Ans : _____

26.

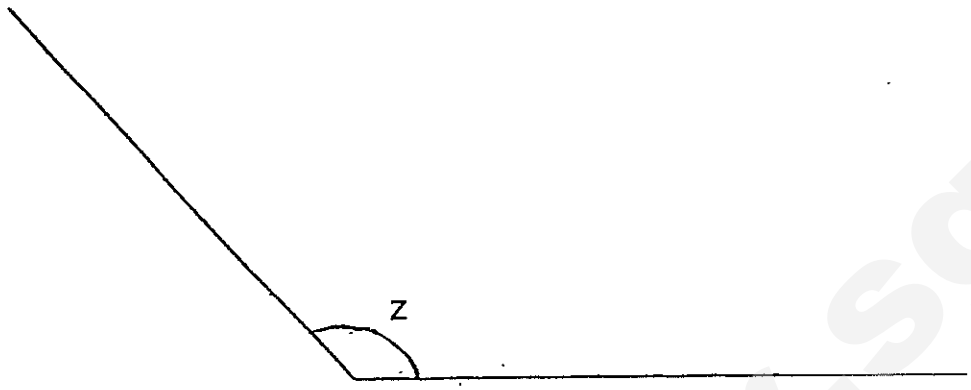
$$0.4 = \frac{4}{\boxed{?}}$$

What is the missing number in the box?

Ans : _____

Do not write in this space

27. Measure and write down the size of $\angle z$.



Ans : _____ °

28. Write $\frac{10}{3}$ as a mixed number in its simplest form.

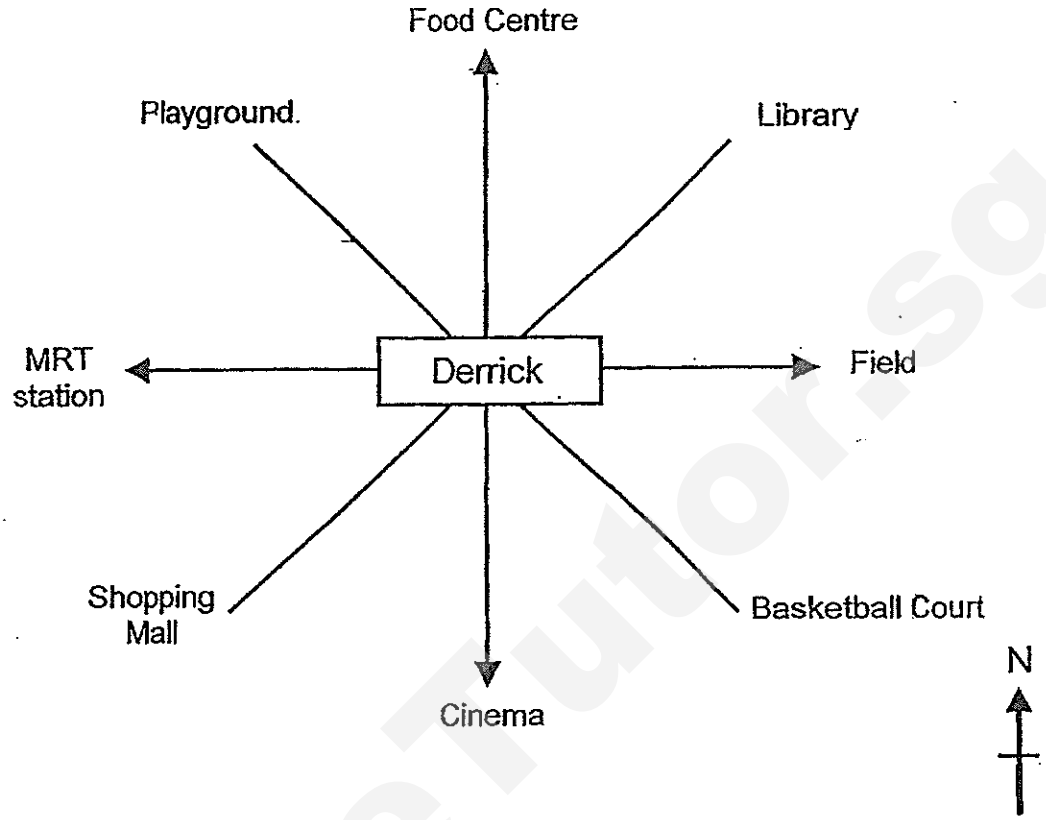
Ans : _____

29. 9.2 – 0.69 = _____

Ans : _____

Do not write in this space

Use the following figure to answer questions 30 and 31.



30. Which place is in the southwest direction?

Ans : _____

31. Derrick stands in the centre. If he turns through an angle of 135° in the clockwise direction, he will face the library. Where was he facing at first?

Ans : _____

Do not write in this space

32. Find the sum of 0.27 and 1.9.
Express your answer as a mixed number.

Ans : _____

33. Vini bought 4 books of the same cost. She gave the cashier $50 and received a change of $15. How much did each book cost?

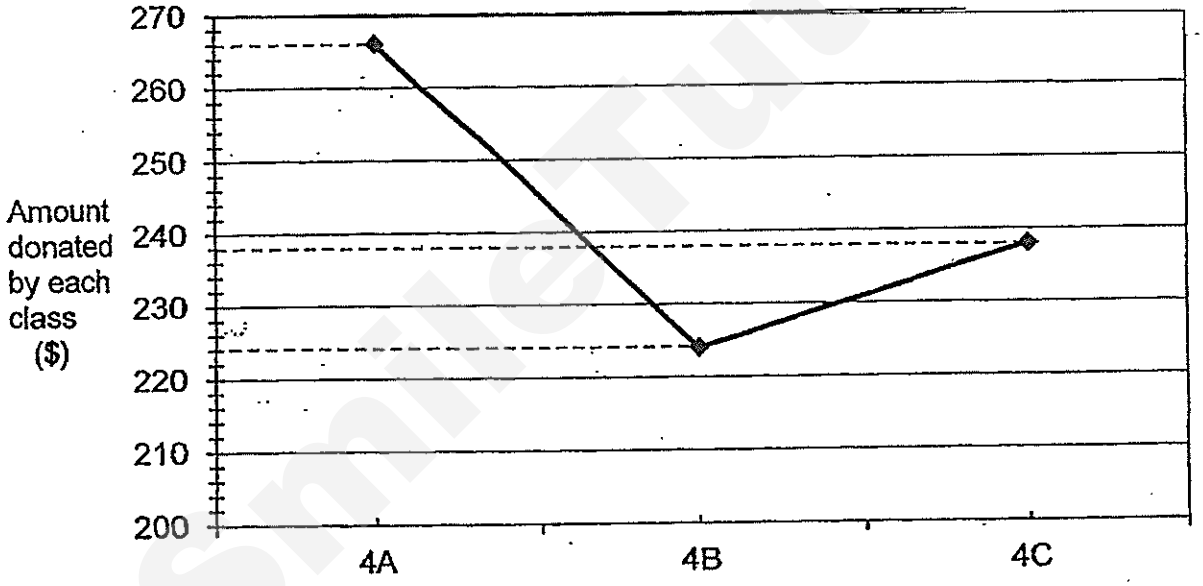
Ans : $_____

Do not write in this space

34. What is the sum of all the factors of 20?

Ans : _____

35. The line graph shows the amount of money donated by 3 classes in Primary Four.



Each pupil donated $7. How many pupils were there altogether in the 3 classes?

Ans : _____

Do not write in this space

36. Mr Charlie had 80 red marbles and 150 blue marbles. He gave all the red marbles to his nephew. He also gave $\frac{4}{5}$ of the blue marbles to his pupils. How many more marbles did he give his pupils than his nephew?

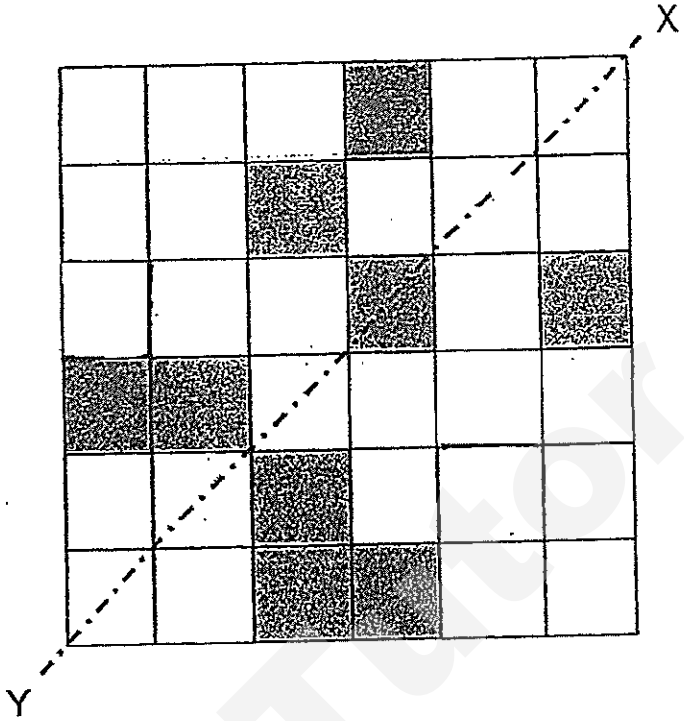
Ans : _____

37. Mr Tan had 50 red pins when rounded off to the nearest ten.
Mrs Tan had 70 blue pins when rounded off the nearest ten.
What was the greatest possible number of pins that they had altogether?

Ans : _____

Do not write in this space

38. In the figure below, the line of symmetry is XY.
Shade 2 more squares so that the figure is symmetrical.

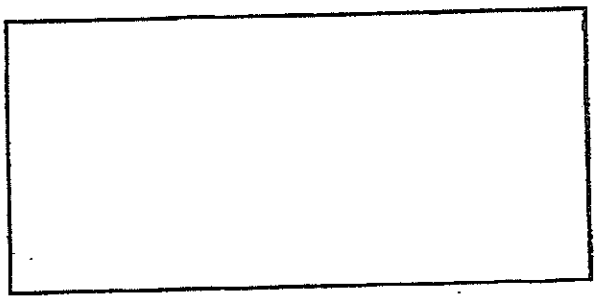


39. Chloe's watch is 15 minutes slower than the actual time. She has a dinner appointment at 6 p.m. She needs 1 h 25 min to reach the restaurant. According to her watch, what time must Chloe leave her house to arrive at the restaurant punctually? Express your answer in the 12-hour clock.

Ans : _____ p.m.

Do not write in this space

40. The figure below is not drawn to scale. The perimeter of the rectangle is 96 cm. The length is twice its breadth. What is the length of the rectangle?



Ans : _____ cm

ion C: (20 marks)

Do not write in this space

questions 41 to 46, show your working clearly and write your answers in the es provided. The number of marks available is shown in brackets [ ] at the end ch question or part-question.

There are 364 children in Sunshine Primary School. The principal wants to give each child 27 cookies for Children's Day. If the cookies come in packets of 5, what is the minimum number of packets the school has to buy?

Ans : _____ [3]

At an exhibition, there were 5 times as many adults as children. After 206 adults and 30 children left the exhibition, the number of adults was the same as the number of children. How many people were there at the exhibition at first?

Ans : [4]

END OF PAPER

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2014 Semestral Assessment Two

1) 2
2) 1
3) 3
4) 4
5) 1
6) 1
7) 4
8) 3
9) 4
10) 4
11) 4
12) 3
13) 4
14) 2
15) 1
16) 3
17) 1
18) 2
19) 1
20) 4
21) 43 500
22) 4 163

23) 7/12 , 1/2 = 6/12, 5/6 = 10/12

Ans: 5/6, 7/12, 1/2

24) 0.28

25) 1-1/8-1/4 = 8/8-1/8-2/8 = 5/8

26) 10

27) 132°

28) 3/1/3

29) 8.51

30) Shopping Mall

31) MRT station

32) 27/100+1/90/100 = 2/17/100

33) $50-$15 = $35

$35/4 = $8.75

34) 1+2+4+5+10+20 = 42

35) 266+224+238 = 728

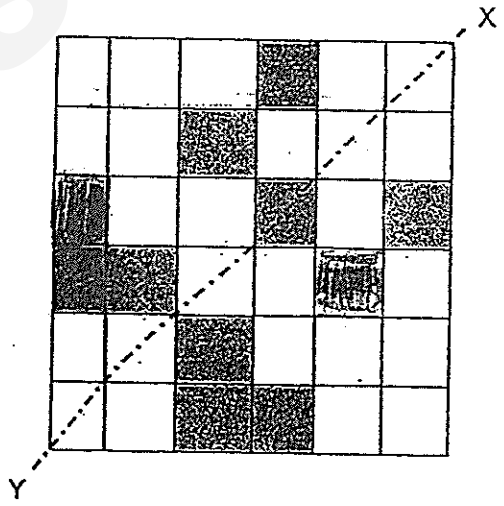
728/7 = 104 pupils

36) 4/5 X 150 = 120 (pupils)

120-80 = 40 more marbles

37) 54+74 = 128 pins

38)



39) 1h 25min + 15min = 1h 40min

18h 00min - 1h 40min = 16 h 20min = 4.20pm

40) 2u + 2u + 1u + 1u = 6u

96cm/6 = 16 cm

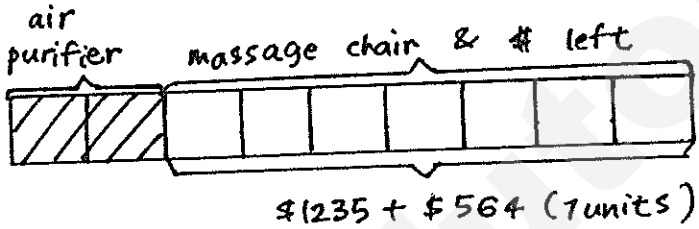
16cm X 2 = 32 cm

41) 27 X 364 = 9828

9828/5 = 1965 R 3

1965+1 = 1966 packets of cookies

42)



$1235+$564 = $1799

9u - 2u = 7u

7u --> $1799

2u --> 2/7 X $1799 = $514

43) 40-6-18 = 16 (10c coins between Felice & Ginny)

16/4 = 4

4X3 = 12 (number of 10c coins Ginny had)

12X$0.10 = $1.20 (value of 10c coins Ginny had)

20-6-3-5 = 6 (number of 50c coins)

6X$0.50 = $3 (value of 50c coins Ginny had)

$1.20 + $3 = $4.20 (amount of money Ginny had)

44) 100cm/4 = 25 cm (length of big square)

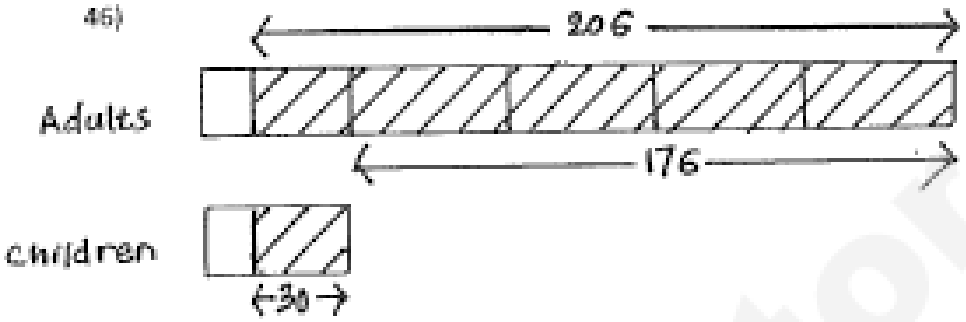
25-6-6 = 13 cm (length of small square)

13cm X 4 = 52 cm (perimeter of the square)

45) 20m-1.65m-1.65m = 16.7 m

16.7m/5 = 3.34 m

46)



206-30 = 176

176/4 = 44

44 X 6 = 264 people were at the exhibition at first