SMILE Tutor
EFFICIENT . EFFECTIVE . EASY

2022

PRIMARY 4 MATH TEST PAPERS

SMILETutor
EFFICIENT . EFFECTIVE . EASY

Table of Contents

SMILE Tutor
EFFICIENT . EFFECTIVE . EASY

NAN HUA PRIMARY SCHOOL MYE PAPER

Section A: Multiple Choice Questions
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) and shade your answer on the Optical Answer Sheet.
(40 marks)

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1. Complete the number pattern.

   80 259 , 80 159 , _____ , 79 959 , 79 859

   (1) 79 059

   (2) 79 159

   (3) 80 059

   (4) 80 959

2. 72 457 rounded to the nearest hundred is _____.

   (1) 72 000

   (2) 72 400

   (3) 72 460

   (4) 72 500

3. Which of the following is **not** a factor of 36?

   (1) 1

   (2) 6

   (3) 3

   (4) 8

4. The first common multiple of 3 and 9 is _____.

   (1) 6

   (2) 9

   (3) 18

   (4) 27

5. $\frac{\square}{9} = \frac{8}{12}$

What is the missing number in the box?

(1) 5

(2) 6

(3) 3

(4) 8

6. Which of the following is the same as 7030 mℓ?

(1) 7 ℓ 3 mℓ

(2) 7 ℓ 30 mℓ

(3) 70 ℓ 3 mℓ

(4) 70 ℓ 30 mℓ

7. Which of the following is **not** an equivalent fraction of $\frac{2}{5}$?

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

(2) $\frac{6}{15}$

(3) $\frac{8}{25}$

(4) $\frac{12}{30}$

8. A plane left Singapore at 11.15 p.m. on Tuesday. It arrived in Taiwan at 3.35 a.m. on Wednesday. How long was the flight from Singapore to Taiwan?

(1) 16 h 20 min

(2) 7 h 40 min

(3) 4 h 20 min

(4) 3 h 20 min

9. A shop opened in the morning at the time shown below.
It was open for 4 h 25 min. What time did the shop close?

(1) 11.10 a.m.

(2) 11.45 a.m.

(3) 12.10 p.m.

(4) 1.10 p.m.

10. Express $7\frac{2}{9}$ as an improper fraction.

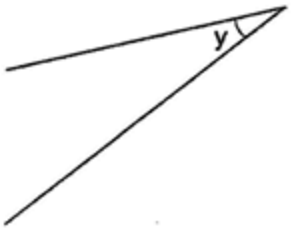
(1) $\frac{14}{9}$

(2) $\frac{61}{9}$

(3) $\frac{63}{9}$

(4) $\frac{65}{9}$

11. Measure and write down the size of $\angle y$.



(1) 25°

(2) 35°

(3) 155°

(4) 165°

12.

Dino's Pizza Hut	
Regular pizza	$12.50
Small pizza	$7.85
Spaghetti	$6
Garlic bread	$1.95

Mr. Lee bought one small pizza and one garlic bread. He paid the cashier $50. How much change did Mr. Lee get back?

(1) $9.80

(2) $14.45

(3) $35.55

(4) $40.20

13. Find the value of $\frac{9}{10} - \frac{3}{5}$.

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

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

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

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

14. Which one of the following figures has only 1 line of symmetry?

U 0 N R

(1) U

(2) 0

(3) N

(4) R

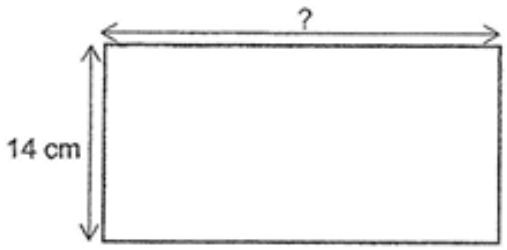
15. The perimeter of the rectangle is 70 cm. Find its length.

(1) 5 cm

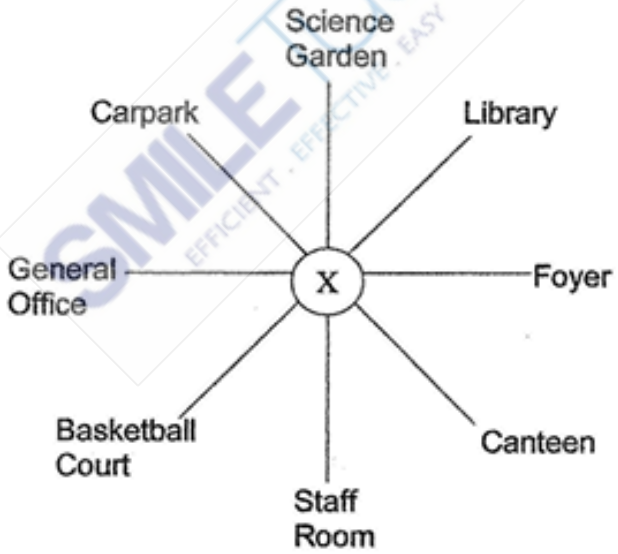
(2) 21 cm

(3) 28 cm

(4) 42 cm



16. Jerry stood at point X. He made a $\frac{3}{8}$ - turn in the anticlockwise direction and ended up facing the Canteen. Which direction was he facing at first?



(1) Science Garden

(2) General Office

(3) Basketball Court

(4) Foyer

17. In a carnival, Mrs Chan sold 2460 Milo packets. She sold 3706 Milo packets and Vitasoy packets altogether. She sold 214 less Vitasoy packets than Lemon Tea packets. How many Lemon Tea packets did Mrs Chan sell?

(1) 1246

(2) 1460

(3) 1960

(4) 2674

18. Jane gave $\frac{4}{9}$ of the stickers she collected to her classmate. She had 180 stickers left. How many stickers did she have at first?

(1) 144

(2) 225

(3) 324

(4) 405

19. Kerry, Matt and John ran a total distance of 1 km. Kerry ran $\frac{5}{8}$ km. Matt ran $\frac{1}{3}$ km less than Kerry did. How far did John run?

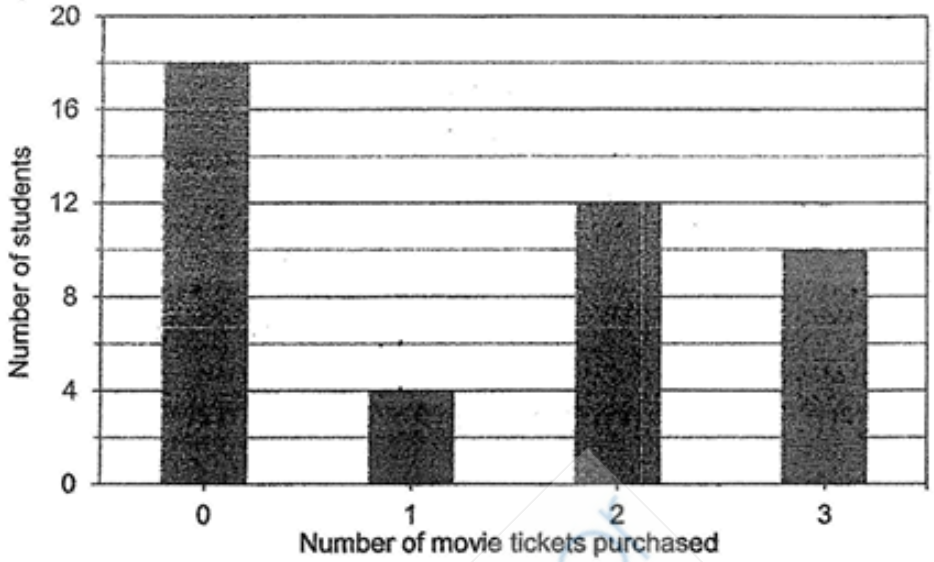
(1) $\frac{1}{12}$ km

(2) $\frac{11}{12}$ km

(3) $\frac{7}{24}$ km

(4) $\frac{23}{24}$ km

20. The bar graph below shows the number of movie tickets purchased by a group of students.



What is the total number of movie tickets purchased?

(1) 26

(2) 44

(3) 58

(4) 76

Section B: Open-ended Questions

Questions **21** to **40** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

21. Use the digits below to form the greatest 4-digit number which is a multiple of 5.

3	0	8	5

Ans: _____

22. What is the remainder when 9463 is divided by 6?

Ans: _____

23. Find the product of 598 and 37.

Ans: _____

24. List all the common factors of 18 and 30.

Ans: _____

25. Express $\frac{16}{48}$ in its simplest form.

Ans: _____

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

$$\frac{7}{4} \quad , \quad 1\frac{5}{6} \quad , \quad \frac{5}{8}$$

_____ , _____ , _____
(smallest) *(greatest)*

27. I am a factor of 48. When 5 is added to me, I become a multiple of 7 that is greater than 10. What number am I?

Ans: [ ]

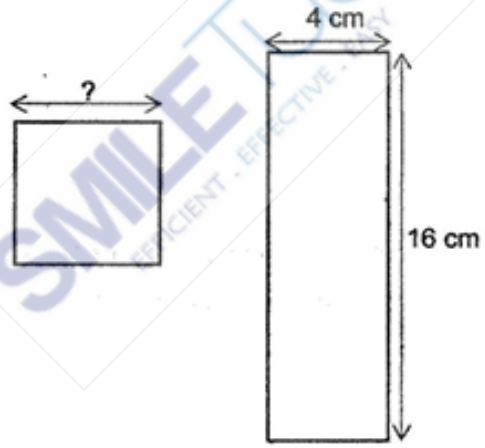
28. Peter has less than 40 sweets. If he puts them into bags of 7, he has a remainder of 1 sweet. If he puts them into bags of 9, he has no leftover. How many sweets does he have?

Ans: [ ]

29. Jaymie had 48 apples, pears, and mangoes. $\frac{3}{8}$ of the fruits were apples. She had 4 more pears than mangoes. How many mangoes did Jaymie have?

Ans: ☐

30. The area of the square is the same as the area of the rectangle. What is the length of the square?



Ans: ☐ cm

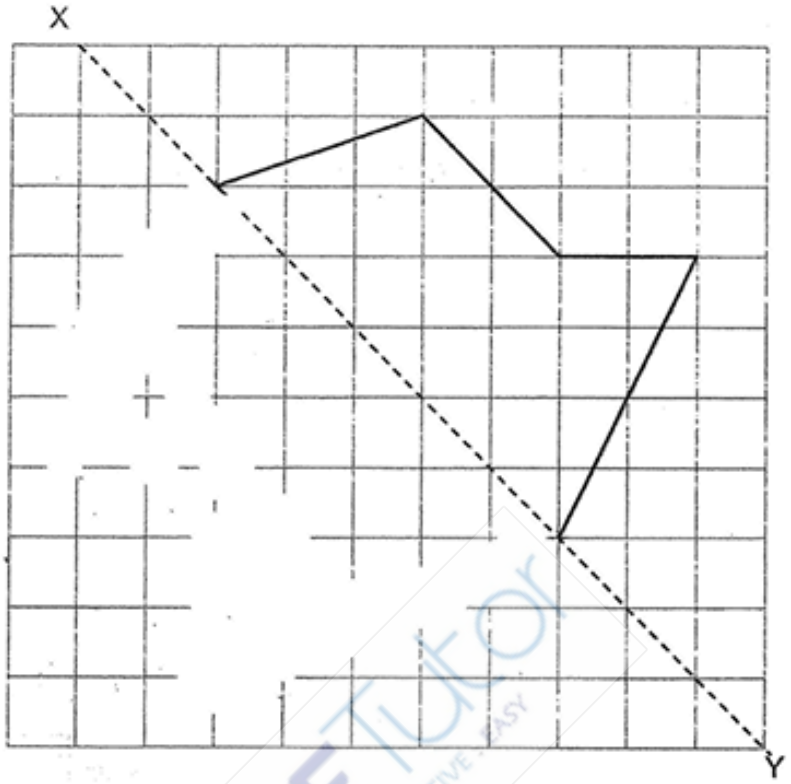
31. Edwin had some flour. He gave his sister $\frac{1}{5}$ kg of flour. He gave his mother $\frac{3}{4}$ kg of flour. He needed 1 kg of flour to bake a cake but he did not have enough flour left. He then bought another $\frac{7}{10}$ kg of flour. How much flour did Edwin have at first? Express your answer as a mixed number in the simplest form.

Ans: _____ kg

32. Draw and label ∠ABC such that ∠ABC is 53°.

A _____ B

33. Complete the symmetric figure below with XY as the line of symmetry.



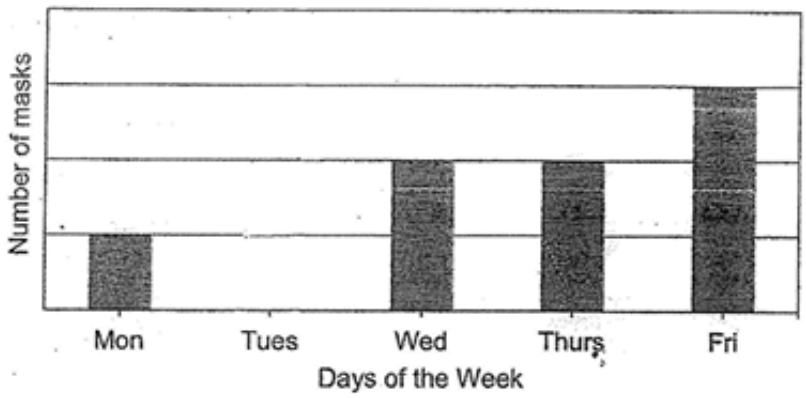
34. Figure A: I have 2 pairs of perpendicular lines.

Figure B: I have 4 equal sides and 2 pairs of parallel lines.

Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

	Properties	True	False	Not possible to tell
(a)	Figure A is a rectangle.			
(b)	Figure B is a square.			

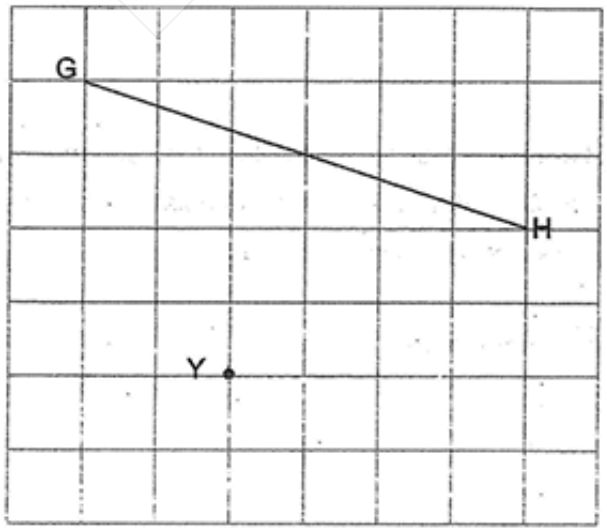
35. The bar graph below shows the number of masks the Tan family used over 5 days.



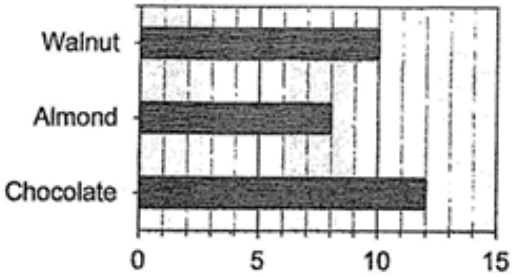
The Tan family used a total of 72 masks over the 5 days. The number of masks used on Tuesday was 4 times the number of masks used on Monday. How many masks did the Tan family use on Monday?

Ans: _____

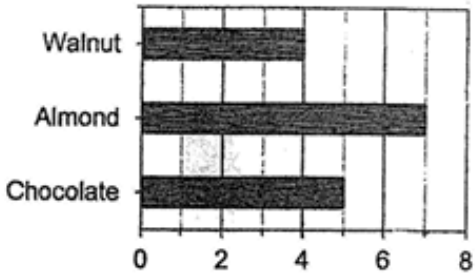
36. In the grid, draw a line which is perpendicular to line GH, passing through point Y.



Ralph baked some cookies to sell. Figure 1 shows the number of cookies that was sold. Figure 2 shows the number of cookies left unsold. Study the graph carefully and answer questions 37 to 39.



Number of cookies sold
(Figure 1)



Number of cookies left unsold
(Figure 2)

37. a) What was the number of chocolate cookies sold?

Ans: _____

b) What was the number of chocolate cookies left unsold?

Ans: _____

38. What was the difference in the number of almond and walnut cookies Ralph baked?

Ans: _____

39. The price of each type of cookies is given below. One almond cookie costs 25¢ more than one walnut cookie. John bought one chocolate and one almond cookie and received $8.15 change. How much did John pay Ralph?

Type of cookie	Price per cookie
Chocolate	70 ¢
Almond	?
Walnut	90 ¢

Ans: $ _____

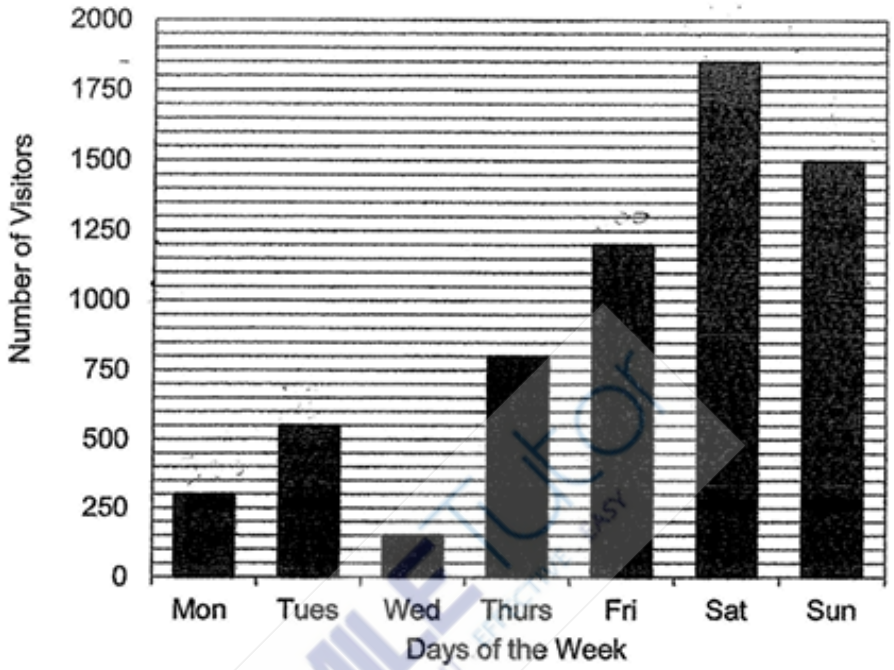
40. Mary has a 44-cm ribbon. She cuts it into 3-cm and 5-cm strips and got a total of 12 strips. How many 3-cm strips were there?

Ans: ____

Section C

For each of the following questions, 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 question or part-question. (20 marks)

41. The bar graph shows the number of visitors to the Singapore Arts Museum in a week.



(a) What was the total number of visitors to the museum on Friday and Saturday?

(b) The entrance fee for each visitor is $7. What was the total amount of money collected on Friday and Saturday?

Ans: (a) _____ [1m]

(b) _____ [2m]

42. Beaker A holds $\frac{3}{4}\ell$ of water. It holds $\frac{1}{5}\ell$ more water than Beaker B. Beaker C holds $\frac{5}{8}\ell$ more water than Beaker B. How much water does Beaker C hold? (Express your answer as a mixed number or fraction in its simplest form)

Ans: _____ [3m]

43. In a bakery, cupcakes are sold only in boxes. A box of two cupcakes costs $4 and a box of three cupcakes costs $5.70. Sarah wants to buy 8 cupcakes. What is the least amount of money that Sarah will need to spend?

Ans: _____ [3m]

44. The mass of one apple and one mango is 245 g. The mass of one apple and one watermelon is 710 g. The mass of a watermelon is 4 times the mass of a mango. What is the mass of one watermelon?

Ans: _____ [3m]

45. A novel had 400 pages. Peter read 14 pages each day for 12 days. On the 13th day, he read 106 pages. Peter read an equal number of pages daily for the remaining 7 days. How many pages did he read in each of the remaining 7 days?

Ans: _____ [4m]

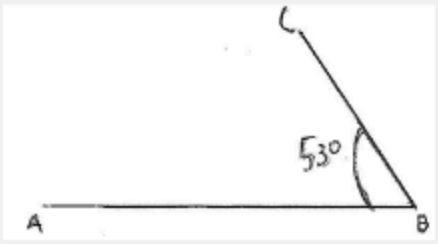
46. A box contained red beads and white beads. At first, the number of white beads was 3 times the number of red beads. After $\frac{1}{2}$ of the white beads were used and $\frac{1}{2}$ of the red beads were used, there was 68 beads left. How many beads were there altogether in the box at first?

Ans: _____ [4m]

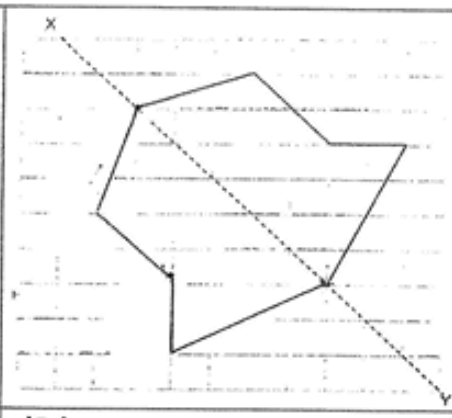
End of paper ☺
Have you checked?

ANSWER SHEET

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

Booklet B Q21	8530
Booklet B Q22	1
Booklet B Q23	22126
Booklet B Q24	6
Booklet B Q25	1/3
Booklet B Q26	⅝, 7/4, 1 5/6
Booklet B Q27	16
Booklet B Q28	36
Booklet B Q29	13
Booklet B Q30	8
Booklet B Q31	$1\text{kg} - \frac{7}{10}\text{kg} = \frac{3}{10}$ $\frac{3}{10}\text{kg} + \frac{1}{5} + \frac{3}{4}$ $= \frac{6}{20} + \frac{4}{20} + \frac{5}{20}$ $= \frac{25}{20}$ $= 1\frac{1}{4}\text{kg}$
Booklet B Q32	

Q33



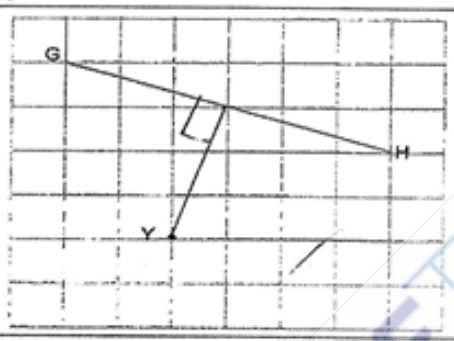
Q34

a)False
b)Not possible to tell

Q35

6

Q36



Q37

a)12
b)5

Q38

Walnut = 10 + 4 = 14
Almond 8 + 7 = 15
15 – 14 = 1

Q39

Walnut + 25 = Almond
25 = 1.15
70 + 1.15 = $1.85

Q40

3cm	total	5cm	total	total
7	7 x 3 = 21	5	5 x 5 = 25	21 + 26 = 46
8	8 x 3 = 24	4	5 x 4 = 20	24 + 20 = 44

Ans: 8

Q41

a)1850 + 1200 = 3050
b)3050 x 7 = $21 350

Q42

$\frac{3}{4} - \frac{1}{5} = \frac{15}{20} - \frac{4}{20}$
$= \frac{11}{20}$
$\frac{11}{20} + \frac{5}{8} = \frac{22}{40} + \frac{25}{40}$
$= \frac{47}{40} = 1\frac{7}{40}$

Q43

$5.70 x 2 = $11.40
$11.40 + $4 = $15.40

Q44	710g – 245g = 465g 465g ÷ 3 = 155g 155g x 4 = 620g
Q45	14 x 12 = 168 168 + 106 = 274 400 – 274 = 126 126 ÷ 7 = 18
Q46	2u = 68 68 ÷ 2 = 34 34 x 4 = 136

NAN HUA PRIMARY SCHOOL EOY PAPER

Section A

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) and shade your answer on the Optical Answer Sheet.

(40 marks)

---

1 72 thousands and 3 tens is the same as _____.

(1) 723

(2) 7230

(3) 72 003

(4) 72 030

2 Which of the following is a factor of both 28 and 60?

(1) 10

(2) 8

(3) 7

(4) 4

3 Write $4\frac{7}{20}$ as a decimal.

(1) 4.72

(2) 4.7

(3) 4.35

(4) 4.035

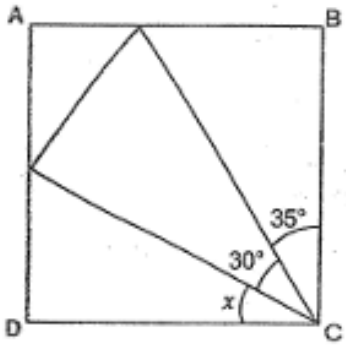
4 In the figure shown, ABCD is a square. Find $\angle x$.

(1) 65°

(2) 60°

(3) 55°

(4) 25°



5 $9\frac{5}{8} = \frac{\square}{8}$

What is the missing number in the box?

(1) 45

(2) 67

(3) 72

(4) 77

6 Find the value of $\frac{11}{12} - \frac{1}{3}$

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

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

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

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

7 Which of the following is a common multiple of 7 and 9?

(1) 16

(2) 35

(3) 54

(4) 63

8 Round 15.997 to two decimal places.

(1) 15.90

(2) 15.98

(3) 15.99

(4) 16.00

9 Gideon had an appointment with his doctor but was 45 minutes late. He arrived at the clinic at 12.05 p.m. What time was Gideon's appointment?

(1) 11.20 a.m.

(2) 11.20 p.m.

(3) 12.50 a.m.

(4) 12.50 p.m.

10 Jane gave $\frac{5}{8}$ of her stamps to Shirley. She had 285 stamps left. How many stamps did Jane have at first?

(1) 171

(2) 456

(3) 475

(4) 760

11 Dr Ratna's Clinic opens only on weekdays for the timings shown in the table below:

Opening hours	
Mondays to Fridays	8 a.m. – 12 p.m. 1 p.m. – 3.30 p.m. 6 p.m. – 9 p.m.

How long is the clinic open daily?

(1) 7 h 30 min

(2) 8 h 30 min

(3) 9 h 30 min

(4) 10 h 30 min

12 The table below shows the price of meals sold at a fast-food restaurant.

	Fish Burger Meal	Chicken Burger Meal
Regular	$6.85	$6.50
Upsized	$7.85	$7.50
Apple Pie	$2.10	

Peter ordered a regular fish burger meal, an upsized chicken burger meal and two apple pies for his lunch. How much did he pay altogether?

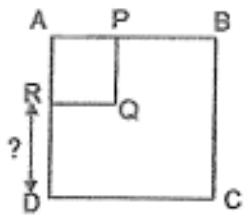
(1) $16.45

(2) $17.55

(3) $18.55

(4) $19.55

13 The area of the square ABCD is 100 cm^2. The area of square APQR is 16 cm^2. Find the length of RD.



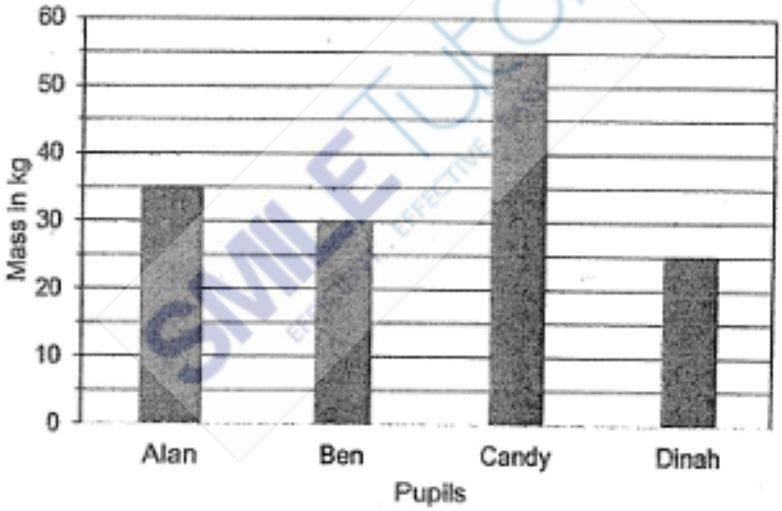
(1) 21 cm

(2) 14 cm

(3) 6 cm

(4) 4 cm

14 The bar graph shows the mass of four pupils.



Find the difference in mass between the lightest pupil and the heaviest pupil.

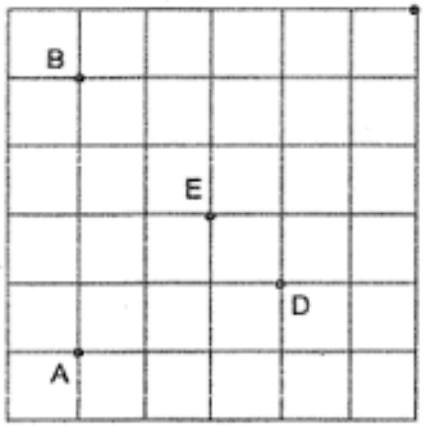
(1) 20 kg

(2) 25 kg

(3) 30 kg

(4) 80 kg

15 Jane is at Point E and facing North-west. If she makes a $\frac{3}{4}$ – turn anti-clockwise, she will face Point _____.



(1) A

(2) B

(3) C

(4) D

16 There are 2380 members in the Art Club. There were 168 more girls than boys in Art Club. How many girls are there in the Art Club?

(1) 1106

(2) 1274

(3) 1358

(4) 2212

17 Michael and Vincent saved a total of $420. After giving $15 to Vincent, Michael had three times as much money as Vincent. How much more money did Michael have than Vincent at first?

(1) $105

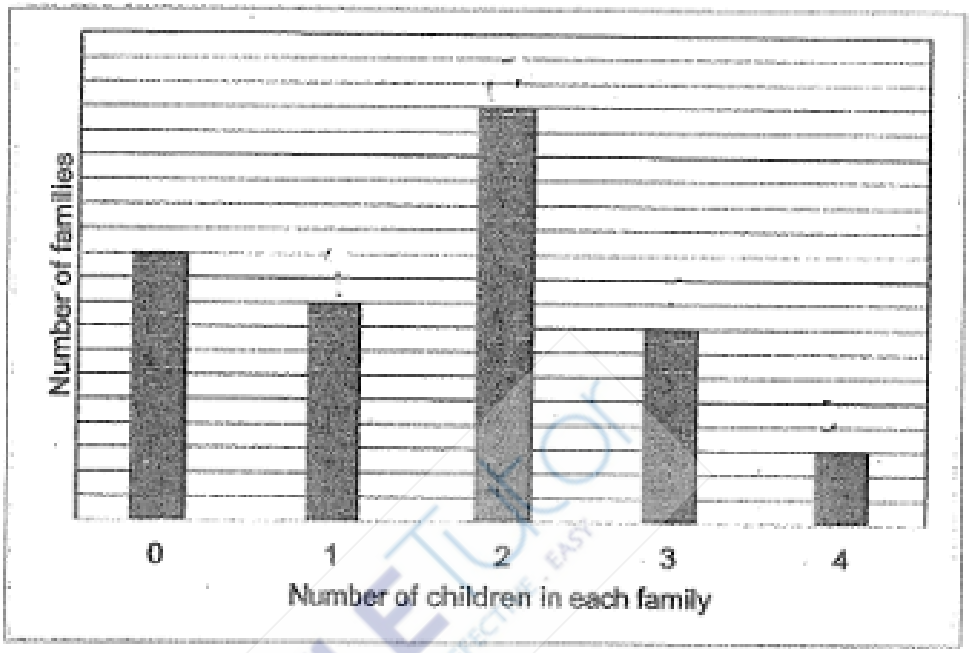
(2) $210

(3) $225

(4) $240

Use the information below to answer Question 18 and 19.

The bar graph below shows the number of children in each family in a particular block of condominium. There were 28 families in total with at least two children.



18 How many families have one child?

(1) 8

(2) 9

(3) 16

(4) 18

19 How many children are there in total?

(1) 37

(2) 48

(3) 79

(4) 90

20 Apples are sold 8 in a bag and oranges are sold 12 in a bag. Meili wants to buy the same number of apples and oranges for her party. What is the least total number of bags of apples and oranges if she needs to buy more than 40 fruits?

(1) 5

(2) 10

(3) 15

(4) 20

Section B

Questions 21 to 40 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

Do not write in this space

21 Round 54 620 to the nearest hundred.

Ans : _____

22 What is the remainder when 1214 is divided by 7?

Ans : _____

23 Write the missing number in the number pattern below.

13 000 , 12 300 , 11 600 , 10 900 , _____, 9500

Ans : _____

24 Express 0.2 as a fraction.

Ans : _____

Do not write in this space

25 Which two of the fractions below are smaller than $\frac{1}{2}$?

$$\frac{3}{5}, \frac{4}{9}, \frac{5}{10}, \frac{5}{11}$$

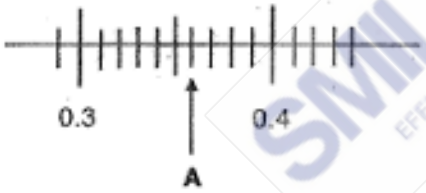
Ans : _____ and _____

26 What is the value of $\frac{5}{8} + \frac{3}{4}$?

Express your answer as a mixed number.

Ans : _____

27 Write the decimal represented by A.



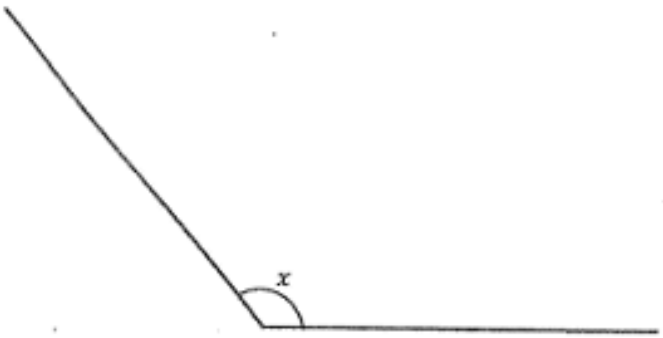
Ans : _____

28 Find the value of 8.36 x 6.

Ans : _____

29 Measure and write down the size of $\angle x$.

Do not write in this space



Ans : _____ °

30 9988 x 7 = _____

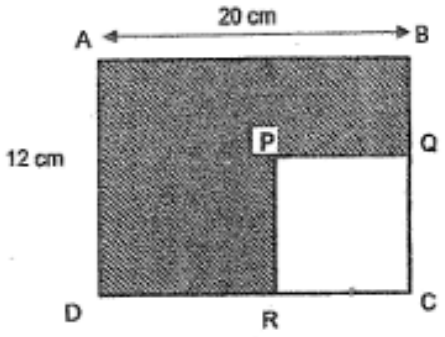
Ans : _____

31 A big box contains twice as many chocolates as a small box. There is a total of 60 chocolates in three small boxes and one big box. How many chocolates does the big box contain?

Ans : _____

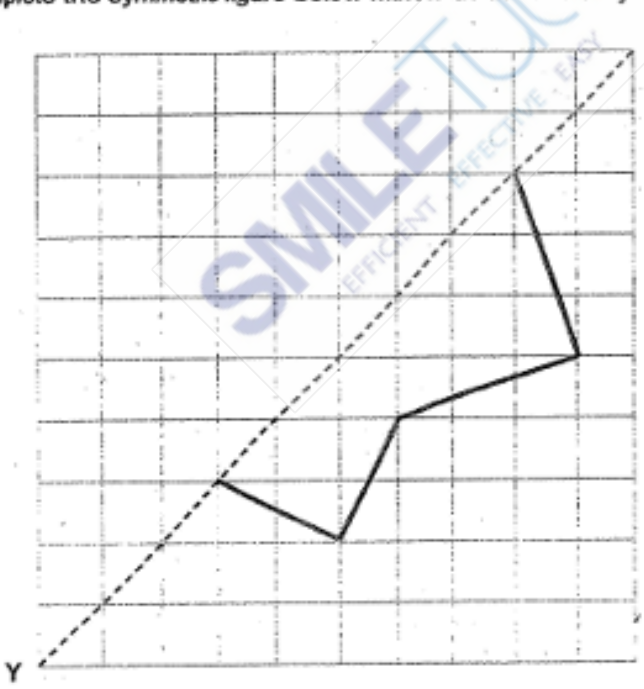
32 The figure below shows a rectangle ABCD and a square PQCR. Find the perimeter of the shaded part.

Do not write in this space



Ans : _____ cm

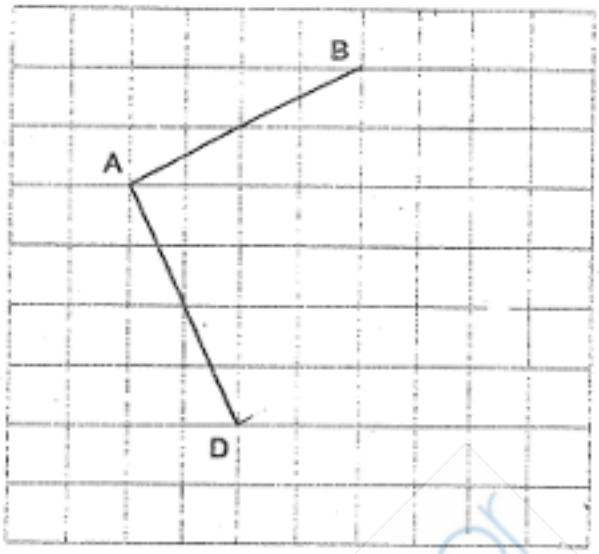
33 Complete the symmetric figure below with XY as the line of symmetry.



(Go on to the next page)

34 In the grid below, draw and label the square ABCD.
Lines AB and AD have been drawn for you.

Do not write in this space



35 A pen is 9.18 cm long and a ruler is 3.47 cm longer than the pen. A glue stick is 5.26 cm shorter than the ruler. What is the length of the glue stick?

Ans : _____ cm

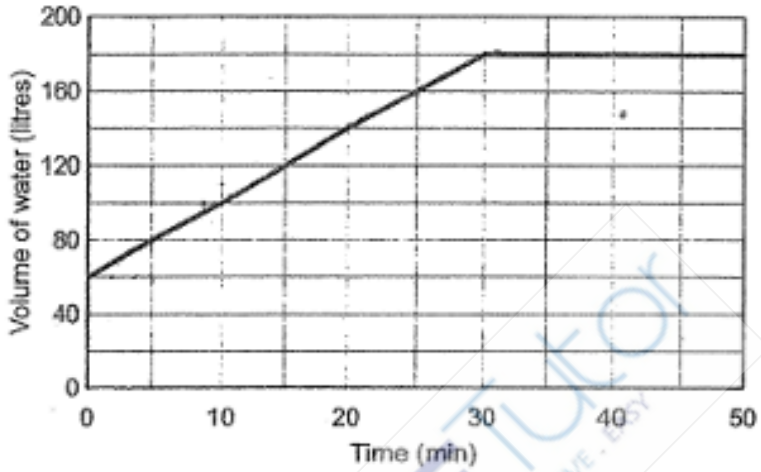
36 Hugh has three times as much money as Susanna.
After Susanna gives $20 to Hugh, Hugh has $110 more than Susanna.
How much does Susanna have in the end?

Ans : $ _____

Use the information below to answer Question **37, 38** and **39**.

Do not write in this space

A rectangular tank was partly filled with water. A tap was then turned on for 30 minutes to fill the tank completely. The line graph shows the volume of water in the tank at regular intervals of time.



37 What was the volume of water in the tank at the beginning?

Ans : _____ ℓ

38 What was the capacity of the rectangular tank?

Ans : _____ ℓ

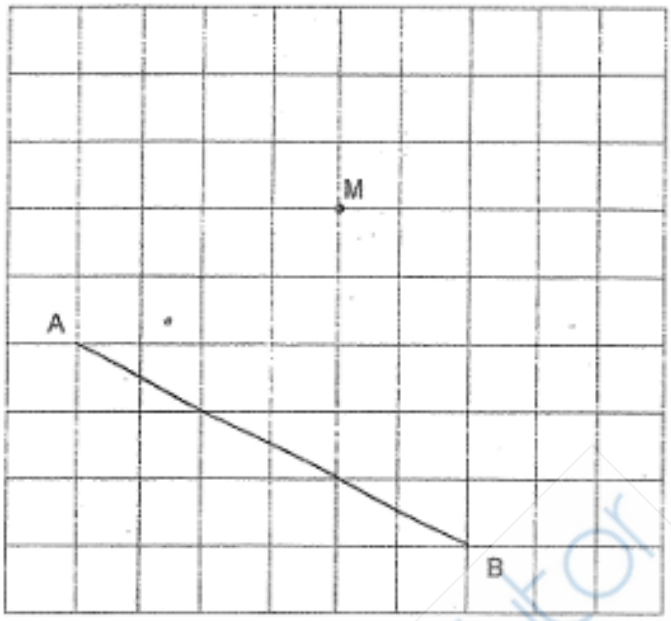
39 How long did it take to fill the tank completely?

Ans : _____ min

(Go on to the next page)

40 In the grid below, draw a line parallel to line AB passing through point M.

Do not write in this space



Section C

For questions 41 to 46, show your working clearly and write your answers in the space provided. The number of marks available is shown in the brackets [ ] at the end of the question or part-question. (20 marks)

Do not write in this space

41 Tammy had 1 ℓ of lemonade. She drank $\frac{3}{8}$ ℓ of it and gave her brother $\frac{2}{5}$ ℓ.

How much lemonade did Tammy have left?

Ans: _____ [3]

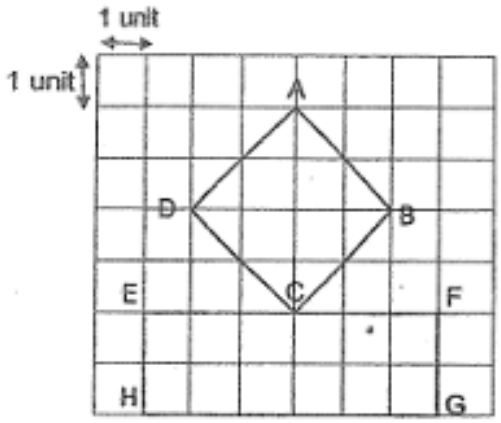
42 Xiu Lan's weekly allowance was $13.50 and De Ming's weekly allowance was $24. De Ming saved $3.75 and spent the rest. Xiu Lan spent all her money. How much more money did De Ming spend than Xiu Lan?

Ans: _____ [3]

(Go on to the next page)

43 The figure below is made up of two 4-sided figures, ABCD and EFGH drawn on a square grid.

Do not write in this space

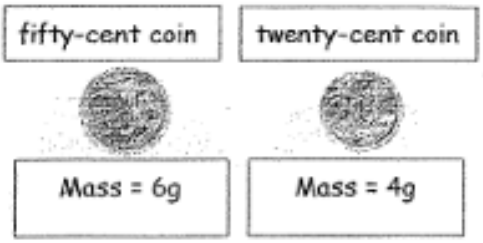


Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) to indicate your answer.

	Properties	True	False	Not possible to tell
(a)	ABCD is a square.			
(b)	The length of EF is 12 cm.			
(c)	The area of ABCD is greater than the area of EFGH.			

[3]

44



Bala has nine coins made up of 20 cents and 50 cents. The total mass of the coins is 42 g. What is the total value of the nine coins?

Do not write in this space

Ans: _____ [4]

45 Figure 1 shows a rectangular sheet of paper. It is then folded on one side as shown in Figure 2. The area of the shaded part is 27 cm^2. What is the area of the rectangular sheet of paper?

Do not write in this space

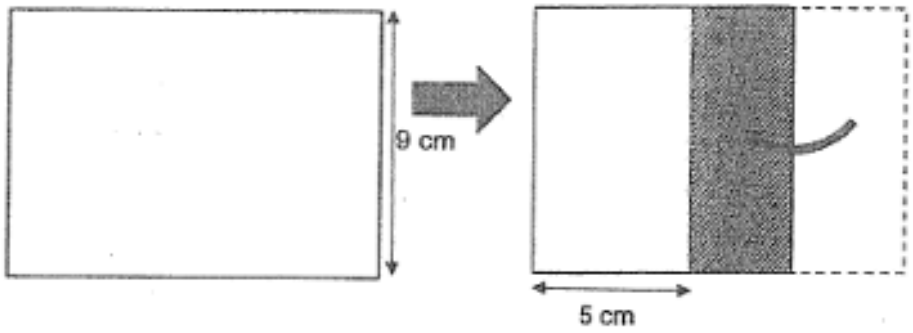
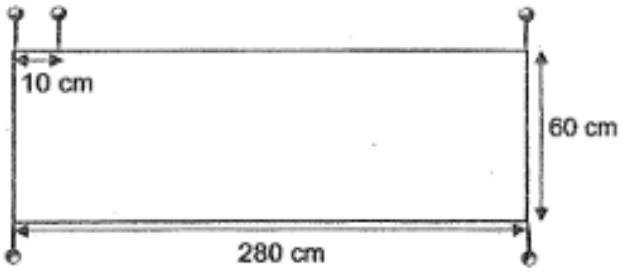


Figure 1 Figure 2

Ans: _____ [3]

46 Mrs Gomez pinned a big piece of paper onto the class notice board using some pins. Pins were placed at an equal distance around the notice board as shown in the diagram below. The distance between every two pins was 10 cm. Pins were placed at the four corners of the notice board. How many pins were used altogether?

Do not write in this space

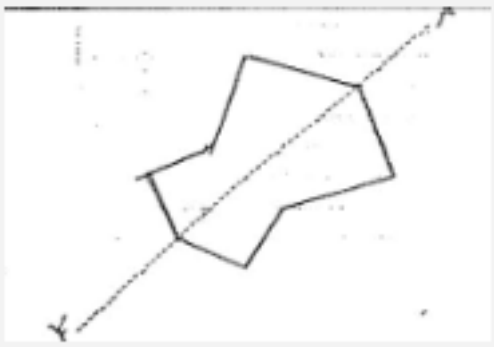


Ans: _____ [4]

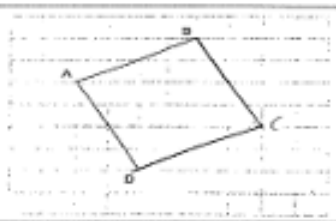
End of paper

ANSWER SHEET

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

Q21	54600
Q22	3
Q23	10200
Q24	2/10
Q25	4/9 and 5/11
Q26	1 3/8
Q27	0.36
Q28	50.16
Q29	131°
Q30	69916
Q31	60 ÷ 5 = 12 12 x 2 = 24
Q32	20 ÷ 12 = 32 32 x 2 = 64cm
Q33	

Q34



Q35

4.18 + 3.47 = 12.65
12.65 – 5.26 = 7.39cm

Q36

110 – 20 – 20 = 70
70 ÷ 2 = 35
35 – 20 = 15

Q37

60ℓ

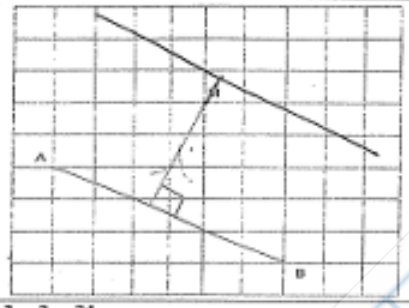
Q38

180ℓ

Q39

30min

Q40



Q41

$\frac{3}{8} + \frac{2}{5} = \frac{31}{40}$

$\frac{40}{40} - \frac{31}{40} = \frac{9}{40}$ ℓ

Q42

$24 - $3.75 = $20.25
$20.25 - $13.50 = $6.75

Q43

a)True
b)Not possible to tell
c)False

Q44

50¢		20¢		Total	
No.	Mass	No.	Mass	No.	Mass
5	30	4	16	9	46
4	24	5	20	9	44
3	18	6	24	9	42

3 x 50¢ = $1.50
6 x 20¢ = $1.20
$1.50 + $1.20 = $2.70

Q45

9 x 3 = 27cm^2
9 x 5 = 45
27 ÷ 9 = 3
5 + 3 + 3 = 11
11 x 9 = 99cm^2

Q46

280 ÷ 10 = 28

60 ÷ 10 = 6
28 x 2 = 56
6 x 2 = 12
56 + 12 = 68

NANYANG PRIMARY SCHOOL MYE PAPER

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) and shade your answer on the Optical Answer Sheet. (30 marks)

---

1. In 71 563, what does the digit 5 stand for?

   (1) 5

   (2) 50

   (3) 500

   (4) 5000

2. Write 18 204 in words.

   (1) Eighteen thousand and twenty-four

   (2) Eighteen thousand, two hundred and four

   (3) Eighteen thousand, two hundred and forty

   (4) Eighteen thousand, two hundred and fourteen

3. Arrange the following numbers in order. Begin with the greatest number.

   60 135 60 153 60 053 65 053

	greatest				smallest
(1)	60 053	, 60 135	, 60 153	,	65 053
(2)	60 053	, 60 153	, 60 135	,	65 053
(3)	65 053	, 60 053	, 60 135	,	60 153
(4)	65 053	, 60 153	, 60 135	,	60 053

4. Round 3652 to the nearest hundred.

(1) 4000

(2) 3700

(3) 3650

(4) 3600

5. Which one of the following is **not** a factor of 64?

(1) 6

(2) 2

(3) 8

(4) 4

6. What is the missing fraction in the box?

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

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

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

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

(4) $\frac{16}{18}$

7. Which of the following fractions is less than $\frac{1}{2}$?

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

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

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

(4) $\frac{5}{11}$

8. Which of the following improper fractions is equivalent to $5\frac{3}{8}$?

(1) $\frac{23}{8}$

(2) $\frac{29}{8}$

(3) $\frac{43}{8}$

(4) $\frac{120}{8}$

9. What fraction of the toys are toy cars?

Toy Planes	
Toy Cars	
Toy Boats	

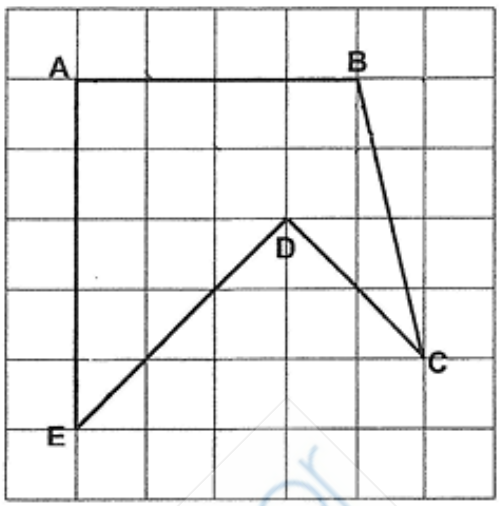
(1) $\frac{1}{5}$

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

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

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

10. In figure ABCDE, which angle is equal to 45°?



(1) ∠ BAE

(2) ∠ AED

(3) ∠ ABC

(4) ∠ BCD

11. Ahmad earns $5398 a month. He spends $1806 each month and saves the remaining money. How much money does he save after half a year?

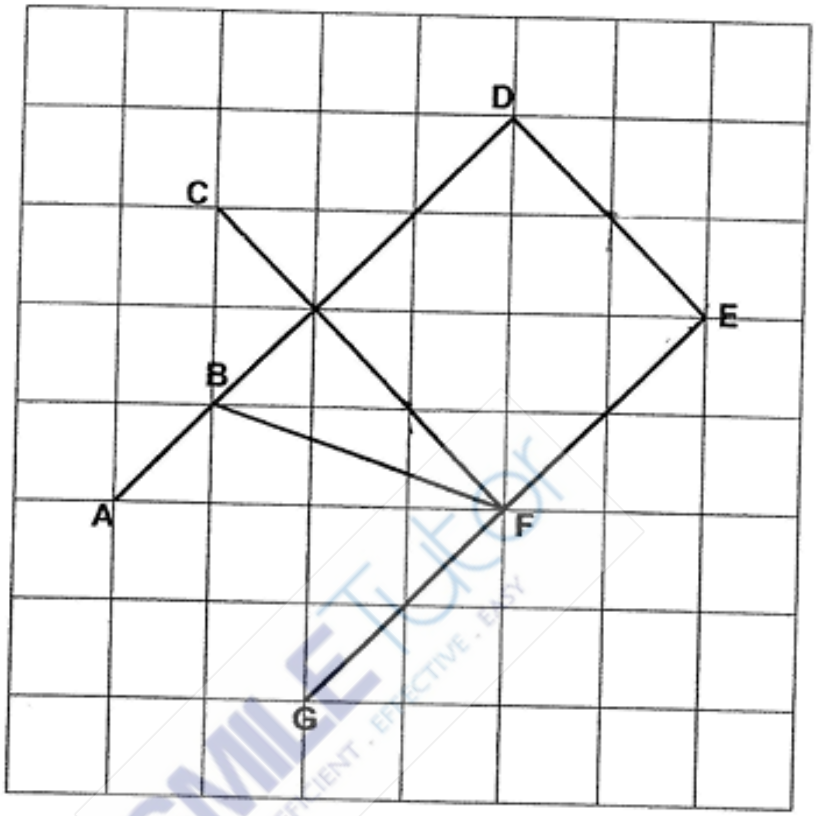
(1) $27 552

(2) $21 552

(3) $4592

(4) $3592

12. Look at the figure below. ABD, GFE, BF, CF and DE are straight lines.



Name the line that is parallel to line CF.

(1) AD

(2) BF

(3) DE

(4) GE

13. A soccer match started at 6 p.m. as shown in the clock below.

The soccer match ended at 7.15 p.m. that evening. How many right angles will the minute hand make by the end of the game?

(1) 1

(2) 2

(3) 3

(4) 5

14. Abigail and Elyse were playing with 7 number cards as shown below.

Abigail started by using 4 different number cards to form a 4-digit odd number. Elyse then used the remaining cards to form a 3-digit even number. Each number card was only used once.

What is the greatest difference between the two numbers that the girls formed?

(1) 7232

(2) 7285

(3) 7529

(4) 7531

15. Jean, Kate, Lindy and Mark each wore a different coloured T-shirt: red, orange, blue and black. Lindy did not wear red or orange. Jean liked Mark's blue T-shirt. Kate did not have a red T-shirt. What was the colour of the T-shirt that Jean wear?

(1) Red

(2) Blue

(3) Black

(4) Orange

Questions **16** to **35** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

16. List all the common factors of 54 and 81.

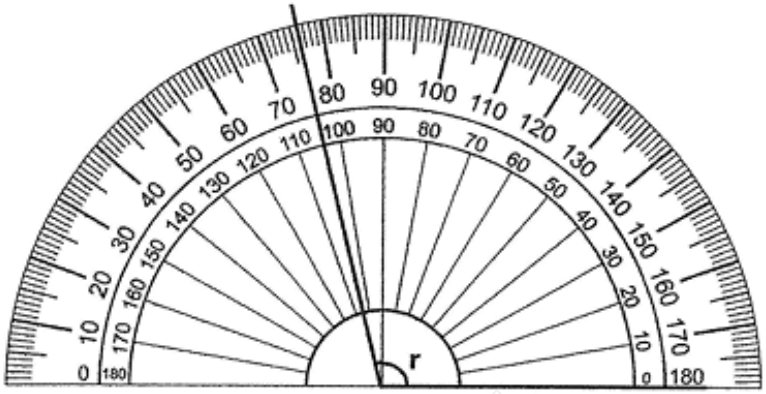
Ans: _____

17. Which of the 2 numbers are **not** multiples of 9?

27	54	38	81	75

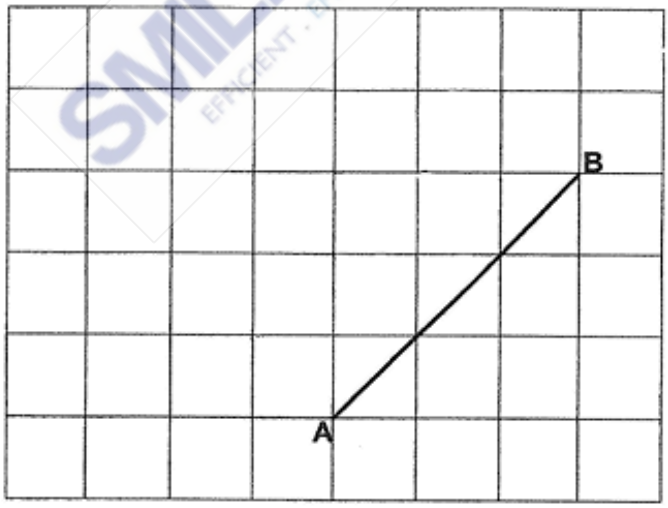
Ans: _____ and _____

18. (a) Find ∠r.



Ans: _____ °

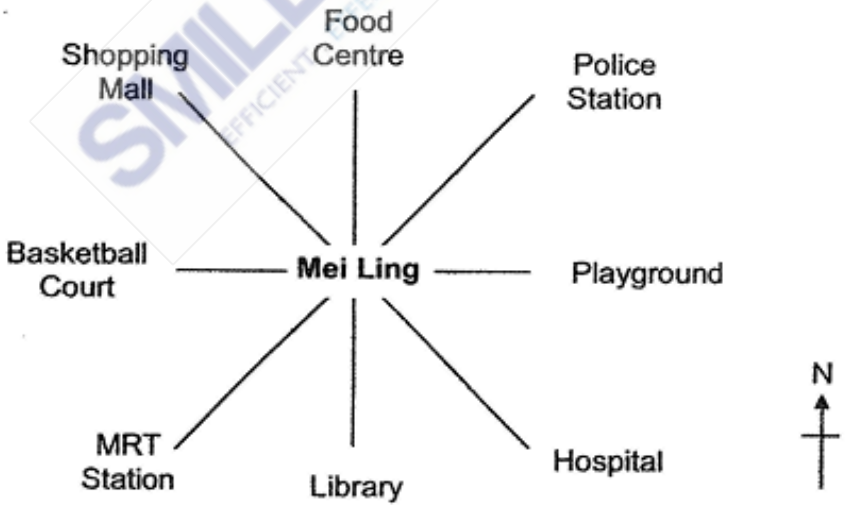
(b) Draw a line WX that is perpendicular to line AB.



19. Using a protractor and a ruler, draw $\angle ABC = 67°$. Mark and label the angle. The line AB has been drawn for you.

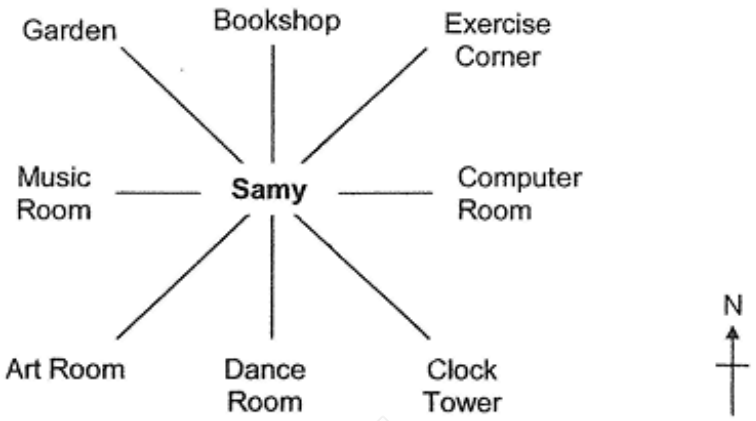
A B

20. Mei Ling is facing the Police Station at first. She makes a $\frac{3}{4}$ turn anti-clockwise. Where is Mei Ling facing in the end?



Ans: _____

21. Samy is facing north at first and he turns to face the Clock Tower. What angle has Samy turned through in the clockwise direction?



Ans: _____ °

---

22. Complete the number patterns.

(a) 32 475, 32 485, 32 495, _____, 32 515, 32 525

(b) _____, 91 205, 93 205, 95 205, 97 205

Ans: (a) _____

(b) _____

---

23. Jane can pack all the cookies into boxes of 6 cookies or boxes of 8 cookies, without having any remaining cookies. What is the smallest possible number of cookies Jane can have?

Ans: _____

---

24. A refrigerator cost $1695 more than a television set. Mr Lim would have $367 left when he chose to buy the television set. How much more money would Mr Lim need when he chose to buy the refrigerator instead?

Ans: $ _____

25. A machine can produce 1960 boxes in 8 hours. How many boxes can 12 such machines produce in 1 hour?

Ans: _____

26. There are 2970 children in a school. There are 5 times as many boys as girls. How many girls are there in the school?

Ans: _____

27. Eason had 56 cards at first. He gave away $\frac{3}{7}$ of his cards. How many cards did he have left?

Ans: _____

---

28. Packet A contains $\frac{3}{5}$ kg of beans. Packet B contains $\frac{1}{8}$ kg more beans than Packet A. What is the total mass of beans in Packet A and Packet B? Express your answer as a mixed number in its simplest form.

Ans: _____ kg

---

29. Maya cut a whole cake into 12 equal slices. Her friends ate $\frac{1}{2}$ of the cake and her cousins ate 5 slices of the cake. What fraction of the cake was eaten?

Ans: _____

---

30. There was $\frac{3}{8}$ ℓ of water in a pail at first. Xiao Tong poured $\frac{1}{4}$ ℓ of water into the pail. How much water is there in the pail now?

Ans: _____ ℓ

---

31. Elsa took $\frac{7}{10}$ h to drive from her house to the zoo. She took $\frac{1}{5}$ h less to drive back home from the zoo. What was the total amount of time she took to drive from her house to the zoo and drive back home? Express your answer as an improper fraction in its simplest form.

Ans: _____ h

---

32. A bag of potatoes has a mass of $\frac{1}{2}$ kg. The bag of potatoes is $\frac{1}{4}$ kg lighter than a bag of apples. What is the total mass of 2 such bags of apples?

Ans: _____ kg

33. A book cost $28 more than a pencil case. Marilyn paid a total of $527 for 5 such books and 4 such pencil cases. How much money did each pencil case cost?

Ans: $_____

---

34. Mother gave Ariel, Brenda and Chong Ming some marbles. Ariel received $\frac{1}{6}$ of the marbles, Brenda received $\frac{3}{4}$ of the marbles and Chong Ming received the remaining 35 marbles. How many marbles did Mother give to the 3 of them in total?

Ans: _____

---

35. There was a total of 160 green beads and red beads. After $\frac{2}{3}$ of the green beads and 12 red beads were removed, there was an equal number of green beads and red beads left. How many red beads were there left?

Ans: _____

For questions **36** to **43**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (30 marks)

---

36. Thavanesh had 450 chocolates. He gave 172 chocolates to his friends. He packed all the remaining chocolates into bags of 8 and kept the leftovers for himself. How many chocolates did Thavanesh keep for himself?

Ans: _____ [3]

---

37. Mrs Quah bought more than 20 but fewer than 50 pencils for her students. When she gives each student 8 pencils, she will be short of 2 pencils. When she gives each student 9 pencils, she will need 8 more pencils. How many pencils did Mrs Quah buy?

Ans: _____ [3]

---

38. Rebecca had a piece of ribbon. She used $\frac{1}{3}$ of the ribbon to tie a present and $\frac{1}{5}$ of the ribbon to decorate a dress.

(a) What fraction of the piece of ribbon was used to tie the present and to decorate the dress?

(b) She used 240 cm of ribbon in total. How long was the piece of ribbon at first?

Ans: (a) _____ [2]

(b) _____ [2]

39. A red pole is 5 m long. It is $\frac{3}{10}$ m longer than a blue pole.

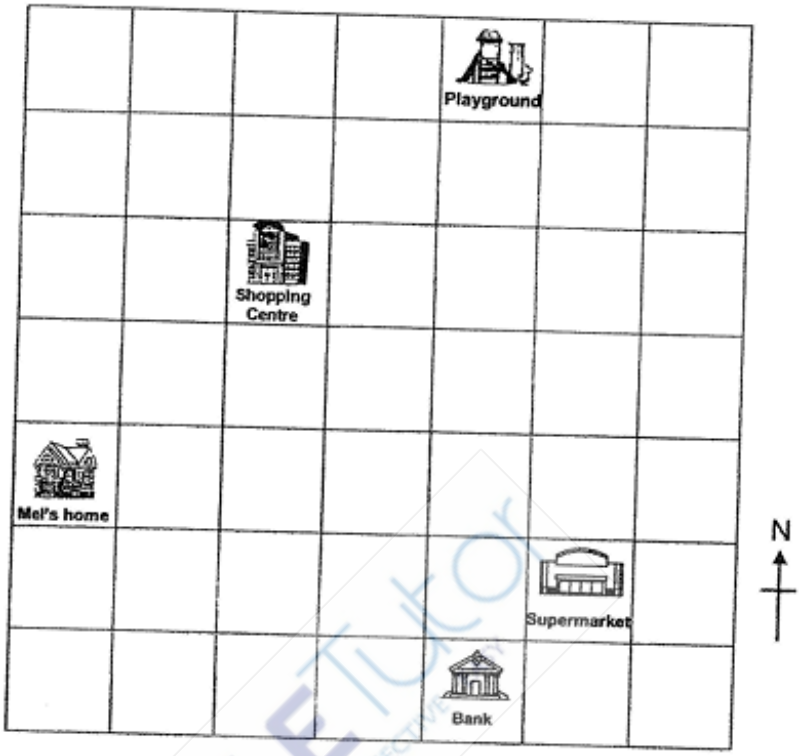
(a) What is the length of the blue pole?

(b) What is the total length of the red pole and blue pole?

Ans: (a) _____ [2]

(b) _____ [2]

40. Mel's home, the bank, the supermarket, the shopping centre and the playground are located as shown in the square grid below.



(a) In which direction is the playground from Mel's home?

(b) In which direction is the bank from the supermarket?

(c) Which place is north of the bank?

(d) A library will be built in the neighbourhood. The following sentences describe the location of the library.

i. Mel's home is north-west of the library.
ii. The library is south of the shopping centre.

Mark 'X' on the grid above to show the location of the library. [1]

Ans: (a) _____ [1]

(b) _____ [1]

(c) _____ [1]

41. Amiya and Ben had the same number of stickers at first. Ben used 3600 stickers. In the end, Amiya had 4 times as many stickers as Ben.

(a) How many stickers did Amiya have at first?

(b) How many stickers must Amiya give to Ben so that both of them would have the same number of stickers again?

Ans: (a) _____ [2]

(b) _____ [2]

42. Amanda uses grey tiles and white tiles to form figures that follow a pattern. The first four figures are shown below.

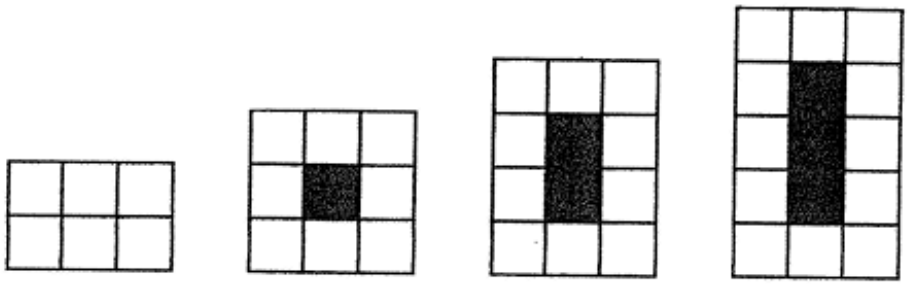


Figure 1 Figure 2 Figure 3 Figure 4

(a) What is the total number of grey tiles and white tiles Amanda would use for Figure 8?

(b) How many white tiles would she use for Figure 36?

Ans: (a) _____ [2]

(b) _____ [2]

43. Wendy spent $\frac{2}{3}$ of her money on a bag, $\frac{1}{9}$ of her money on a pair of shoes and saved the rest. The amount of money she saved was $100 less than the total amount of money she spent.

(a) What fraction of her money did Wendy spend?

(b) Wendy gave half of her savings to her sister. How much money did Wendy give to her sister?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

ANSWER SHEET

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

Questions 16 to 35 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

16. List all the common factors of 54 and 81.

Factors of 54 -> (1), 2, (3), 6, (9), 18, (27), 54

Factors of 81 -> (1), (3), (9), (27), 81

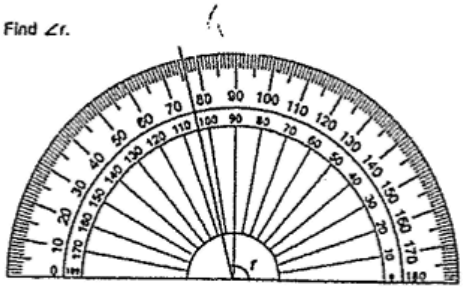
Ans: 1, 3, 9, 27

17. Which of the 2 numbers are not multiples of 9?

27	54	38	81	75
3x9	6x9		9x9	

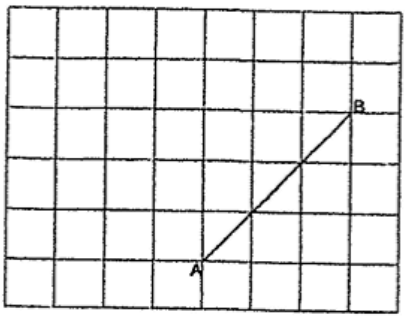
Ans: 38 and 75

18. (a) Find ∠r.

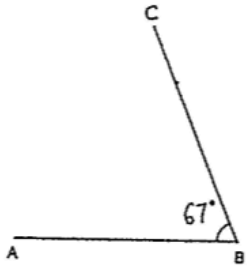


Ans: 104

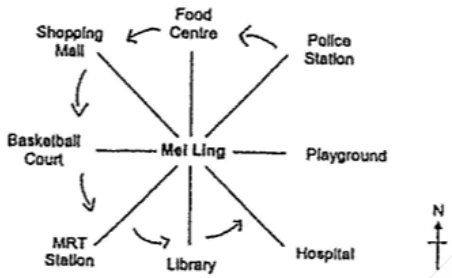
(b) Draw a line WX that is perpendicular to line AB.



19. Using a protractor and a ruler, draw $\angle$ 67°. Mark and label the angle. The line AB has been drawn for you.



20. Mei Ling is facing the Police Station at first. She makes a $\frac{3}{4}$ turn anti-clockwise. Where is Mei Ling facing in the end?



Ans: Hospital

24. A refrigerator cost $1695 more than a television set. Mr Lim would have $367 left when he chose to buy the television set. How much more money would Mr Lim need when he chose to buy the refrigerator instead?

$1695 - $367 = $1328 (Ans)

Ans: $1328

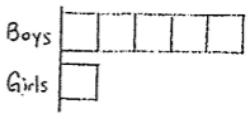
25. A machine can produce 1960 boxes in 8 hours. How many boxes can 12 such machines produce in 1 hour?

1960 ÷ 8 = 245

245 × 12 = 2940 (Ans)

Ans: 2940

26. There are 2970 children in a school. There are 5 times as many boys as girls. How many girls are there in the school?



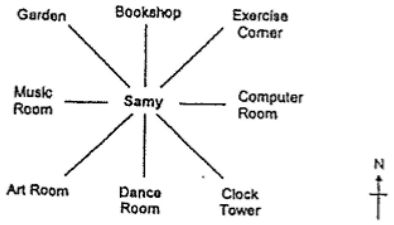
6 units = 2970

1 unit = 2970 ÷ 6

= 495 (Ans)

Ans: 495

21. Samy is facing north at first and he turns to face the Clock Tower. What angle has Samy turned through in the clockwise direction?



Ans: 135

22. Complete the number patterns.

(a) 32 475, 32 485, 32 495, 32 505, 32 515, 32 525

(b) 89 205, 91 205, 93 205, 95 205, 97 205

Ans: (a) 32 505

(b) 89 205

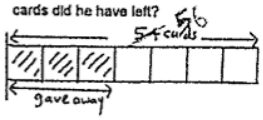
23. Jane can pack all the cookies into boxes of 6 cookies or boxes of 8 cookies, without having any remaining cookies. What is the smallest possible number of cookies Jane can have?

6 → 6, 12, 18, (24), 30, 36

8 → 8, 16, (24), 32, 40

Ans: 24

27. Eason had 56 cards at first. He gave away $\frac{3}{7}$ of his cards. How many cards did he have left?



7 units = 56

1 unit = 56 ÷ 7 = 8

4 units = 8 × 4 = 32 (Ans)

Ans: 32

28. Packet A contains $\frac{3}{5}$ kg of beans. Packet B contains $\frac{1}{8}$ kg more beans than Packet A. What is the total mass of beans in Packet A and Packet B? Express your answer as a mixed number in its simplest form.

Packet A → $\frac{3}{5}$ kg

Packet B → $\frac{3}{5}$ kg + $\frac{1}{8}$ kg

$= \frac{24}{40} + \frac{5}{40}$

$= \frac{29}{40}$

Total → $\frac{3}{5} + \frac{29}{40}$

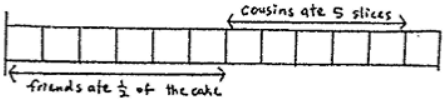
$= \frac{24}{40} + \frac{29}{40}$

$= \frac{53}{40}$

$= 1\frac{13}{40}$ (Ans)

Ans: $1\frac{13}{40}$ kg

29. Maya cut a whole cake into 12 equal slices. Her friends ate $\frac{1}{2}$ of the cake and her cousins ate 5 slices of the cake. What fraction of the cake was eaten?



$\frac{1}{2} = \frac{6}{12}$ $\frac{6}{12} + \frac{5}{12} = \frac{11}{12}$ (Ans)

Ans: $\frac{11}{12}$

30. There was $\frac{3}{8}$ ℓ of water in a pail at first. Xiao Tong poured $\frac{1}{4}$ ℓ of water into the pail. How much water is there in the pail now?

$\frac{3}{8} + \frac{1}{4} = \frac{3}{8} + \frac{2}{8}$

$= \frac{5}{8}$ (Ans)

Ans: $\frac{5}{8}$ ℓ

31. Elsa took $\frac{7}{10}$ h to drive from her house to the zoo. She took $\frac{1}{5}$ h less to drive back home from the zoo. What was the total amount of time she took to drive from her house to the zoo and drive back home? Express your answer as an improper fraction in its simplest form.

Home to Zoo → $\frac{7}{10}$ h

Zoo to Home → $\frac{7}{10}$h − $\frac{1}{5}$h

$= \frac{7}{10}$h − $\frac{2}{10}$h

$= \frac{5}{10}$ h

Total time → $\frac{7}{10}$ h + $\frac{5}{10}$h

$= \frac{12}{10}$h = $\frac{6}{5}$h (Ans)

Ans: $\frac{6}{5}$ h

32. A bag of potatoes has a mass of $\frac{1}{2}$ kg. The bag of potatoes is $\frac{1}{4}$ kg lighter than a bag of apples. What is the total mass of 2 such bags of apples?

Potatoes → $\frac{1}{2}$ kg

Apples → $\frac{1}{2}$kg + $\frac{1}{4}$kg

$= \frac{2}{4}$ kg + $\frac{1}{4}$ kg

$= \frac{3}{4}$kg

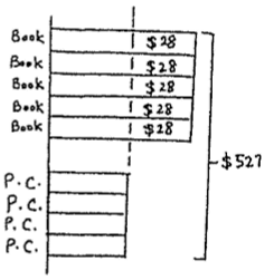
Total mass → $\frac{3}{4}$kg + $\frac{3}{4}$ kg

$= \frac{6}{4} = 1\frac{2}{4}$

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

Ans: $\frac{6}{4}$ or $1\frac{1}{2}$ kg

33. A book cost $28 more than a pencil case. Marilyn paid a total of $527 for 5 such books and 4 such pencil cases. How much money did each pencil case cost?



$28 × 5 = $140

9units = $527 − $140

= $387

1unit = $387 ÷ 9

= $43 (Ans)

Ans: $43

34. Mother gave Ariel, Brenda and Chong Ming some marbles. Ariel received $\frac{1}{6}$ of the marbles, Brenda received $\frac{3}{4}$ of the marbles and Chong Ming received the remaining 35 marbles. How many marbles did Mother give to the 3 of them in total?

$\frac{1}{6} + \frac{3}{4} = \frac{2}{12} + \frac{9}{12}$

$= \frac{11}{12}$

$\frac{12}{12} - \frac{11}{12} = \frac{1}{12}$

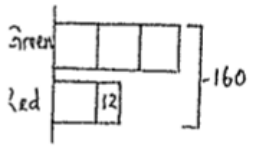
$\frac{1}{12}$ → 35

$\frac{12}{12}$ → 35 × 12 = 420 (Ans)

Ans: 420

35. There was a total of 160 green beads and red beads. After $\frac{2}{3}$ of the green beads and 12 red beads were removed, there was an equal number of green beads and red beads left. How many red beads were there left?

Before



4units = 160 − 12

= 148

1unit = 148 ÷ 4

= 37 (Ans)

After

Ans: 37

36. Thavanesh had 450 chocolates. He gave 172 chocolates to his friends. He packed all the remaining chocolates into bags of 8 and kept the leftovers for himself. How many chocolates did Thavanesh keep for himself?

450 − 172 = 278

278 ÷ 8 = 34 R 6

Ans: 6 [3]

37. Mrs Quah bought more than 20 but fewer than 50 pencils for her students. When she gives each student 8 pencils, she will be short of 2 pencils. When she gives each student 9 pencils, she will need 8 more pencils. How many pencils did Mrs Quah buy?

Multiples of 8	24	32	40	48
Short of 2	22	30	38	(46)

Multiples of 9	27	36	45	54
Short of 8	19	28	37	(46)

Ans: 46 [3]

38. Rebecca had a piece of ribbon. She used $\frac{1}{3}$ of the ribbon to tie a present and $\frac{1}{5}$ of the ribbon to decorate a dress.

(a) What fraction of the piece of ribbon was used to tie the present and to decorate the dress?

(b) She used 240 cm of ribbon in total. How long was the piece of ribbon at first?

(a) $\frac{1}{3} + \frac{1}{5} = \frac{5}{15} + \frac{3}{15}$

$= \frac{8}{15}$ (Ans)

(b) $\frac{8}{15} \rightarrow 240$ cm

$\frac{1}{15} \rightarrow 240$ cm $\div 8$

$= 30$ cm

$\frac{15}{15} \rightarrow 30$ cm $\times 15$

$= 450$ cm (Ans)

Ans: (a) $\frac{8}{15}$ [2]

(b) 450 cm [2]

39. A red pole is 5 m long. It is $\frac{3}{10}$ m longer than a blue pole.

(a) What is the length of the blue pole?

(b) What is the total length of the red pole and blue pole?

(a) Blue $\rightarrow 5\text{m} - \frac{3}{10}$ m

$= 4\frac{10}{10}\text{m} - \frac{3}{10}\text{m}$

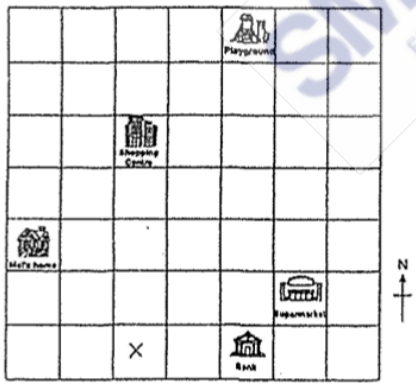
$= 4\frac{7}{10}$ m (Ans)

(b) Total $\rightarrow 5\text{m} + 4\frac{7}{10}\text{m} = 9\frac{7}{10}$ m (Ans)

Ans: (a) $4\frac{7}{10}$ m [2]

(b) $9\frac{7}{10}$ m [2]

40. Mel's home, the bank, the supermarket, the shopping centre and the playground are located as shown in the square grid below.



(a) In which direction is the playground from Mel's home?

(b) In which direction is the bank from the supermarket?

(c) Which place is north of the bank?

(d) A library will be built in the neighbourhood. The following sentences describe the location of the library.

i. Mel's home is north-west of the library.
ii. The library is south of the shopping centre.

Mark 'X' on the grid above to show the location of the library. [1]

Ans: (a) north-east [1]

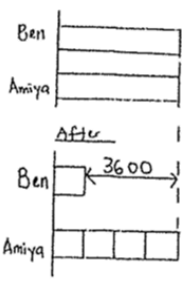
(b) South-west [1]

(c) playground [1]

41. Amiya and Ben had the same number of stickers at first. Ben used 3600 stickers. In the end, Amiya had 4 times as many stickers as Ben.

(a) How many stickers did Amiya have at first?

(b) How many stickers must Amiya give to Ben so that both of them would have the same number of stickers again?



(a) 3 units = 3600

1 unit = $3600 \div 3$

$= 1200$

$3600 + 1200 = 4800$ (Ans)

(b) $3600 \div 2 = 1800$ (Ans)

Ans: (a) 4800 [2]

(b) 1800 [2]

42. Amanda uses grey tiles and white tiles to form figures that follow a pattern. The first four figures are shown below.

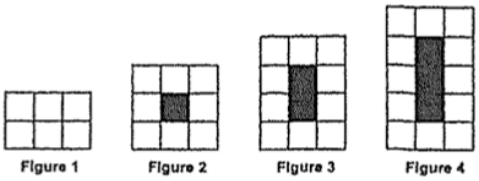


Figure 1 Figure 2 Figure 3 Figure 4

(a) What is the total number of grey tiles and white tiles Amanda would use for Figure 8?

(b) How many white tiles would she use for Figure 36?

(a) $3 \times 9 = 27$ (Ans)

(b) $3 \times 37 = 111$

$111 - 35 = 76$ (Ans)

Ans: (a) 27 [2]

(b) 76 [2]

43. Wendy spent $\frac{2}{3}$ of her money on a bag, $\frac{1}{9}$ of her money on a pair of shoes and saved the rest. The amount of money she saved was $100 less than the total amount of money she spent.

(a) What fraction of her money did Wendy spend?

(b) Wendy gave half of her savings to her sister. How much money did Wendy give to her sister?

(a) $\frac{2}{3} + \frac{1}{9} = \frac{6}{9} + \frac{1}{9}$

$= \frac{7}{9}$

(b) Amount spent $\rightarrow \frac{7}{9}$

Amount saved $\rightarrow \frac{9}{9} - \frac{7}{9} = \frac{2}{9}$

$\frac{7}{9} - \frac{2}{9} = \frac{5}{9}$

$\frac{5}{9} \rightarrow \$100$

$\frac{1}{9} \rightarrow \$100 \div 5 = \$20$ (Ans)

Ans: (a) $\frac{7}{9}$ [2]

(b) $20 [2]

NANYANG PRIMARY SCHOOL EOY PAPER

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) and shade your answer on the Optical Answer Sheet. (30 marks)

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1. Fifty-four thousand and seventy-two in figures is _____.

   (1) 54 720

   (2) 54 702

   (3) 54 072

   (4) 5472

2. Which of the following numbers when rounded to the nearest ten becomes 61 500?

   (1) 61 444

   (2) 61 496

   (3) 61 506

   (4) 61 554

3. Which of the following is a multiple of both 4 and 5?

   (1) 9

   (2) 24

   (3) 35

   (4) 40

4. How many one-thirds are there in 4 wholes?

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

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

(3) 3

(4) 12

5. In which of the following numbers does the digit 5 stand for 5 tenths?

(1) 13.25

(2) 35.68

(3) 41.52

(4) 57.94

6. In the figure below, which angle is smaller than a right angle?

(1) $\angle a$

(2) $\angle b$

(3) $\angle c$

(4) $\angle d$

7. In a game show, Mei scored 4000 points. Ling scored 1002 fewer points than Mei. Ken scored 6 times as many points as Ling. How many points did Ken score?

(1) 17 448

(2) 17 988

(3) 18 012

(4) 30 012

8. Ahmad and Ravi had a total of 5656 picture cards at first. Ahmad had 7 times as many picture cards as Ravi. Ravi then lost 50 picture cards. How many picture cards did Ravi have in the end?

(1) 27

(2) 38

(3) 657

(4) 758

9. The mass of luggage P is 24.8 kg. Luggage P is 1.36 kg heavier than luggage Q. What is the mass of luggage Q?

(1) 11.20 kg

(2) 23.44 kg

(3) 23.56 kg

(4) 26.16 kg

10. Four boys took part in a race. The table below shows the time taken by the four boys.

Name	Time taken (s)
Albert	98
Bob	65
Colin	73
David	54

How much faster was the fastest runner in the race compared to Bob?

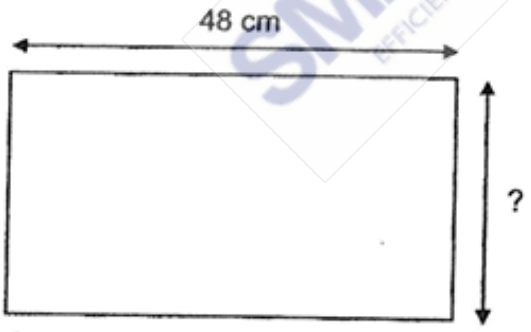
(1) 11 s

(2) 33 s

(3) 54 s

(4) 98 s

11. The perimeter of a rectangular cardboard is 160 cm. The length of the cardboard is 48 cm. Find its breadth.



(1) 32 cm

(2) 64 cm

(3) 96 cm

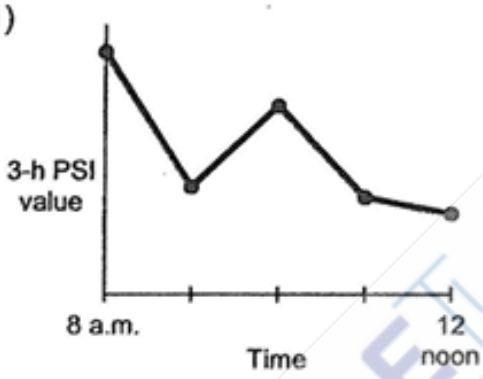
(4) 112 cm

12. The table below shows the 3-h PSI (Pollutant Standards Index) readings from 8 a.m. to 12 noon on 22 February.

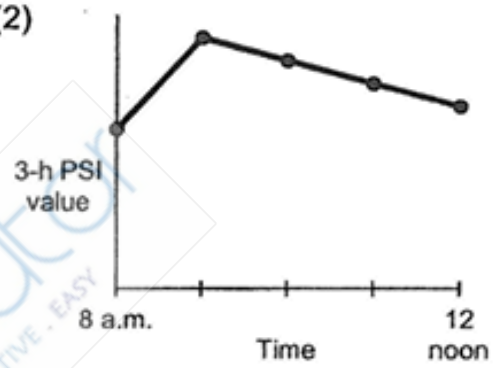
Time	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 noon
3-h PSI	35	55	50	45	40

Which one of the line graphs below best represents the information in the table?

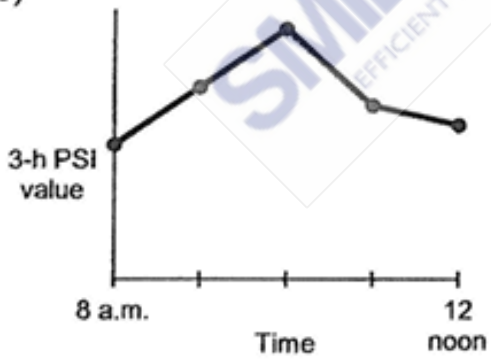
(1)



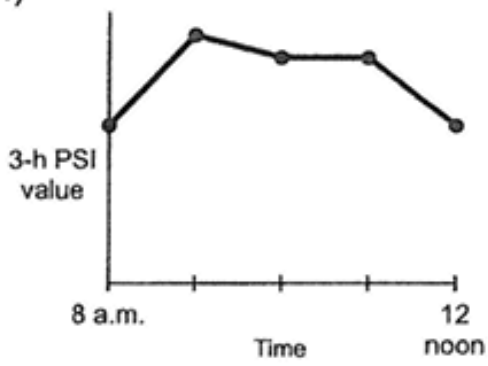
(2)



(3)



(4)



13. At a bakery, there were 525 blueberry cakes. The number of blueberry cakes was 3 times the number of peach cakes in the bakery. The number of lemon cakes was 758 more than the number of peach cakes. All the lemon cakes were packed into boxes for delivery. Each box could hold up to 5 lemon cakes. What was the smallest number of boxes needed to pack all the lemon cakes?

(1) 186

(2) 187

(3) 466

(4) 467

14. The table below shows the height of a plant in centimetres on the first day of each month from July to October.

Date	Height (cm)
1st July	2.2
1st August	6.8
1st September	11.0
1st October	21.1

In which month did the plant's height increase the most?

(1) July

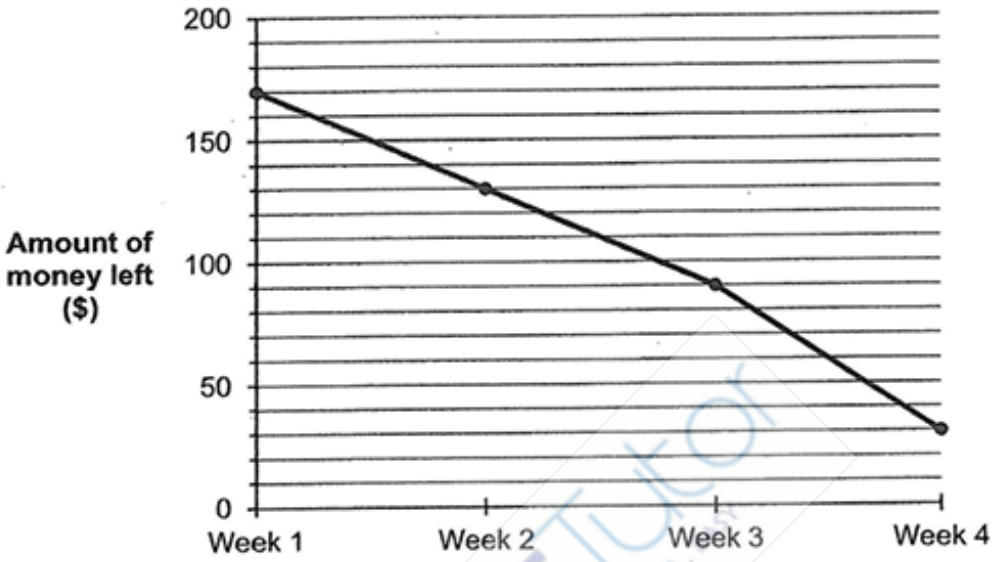
(2) August

(3) September

(4) October

15. Khairi was given a monthly allowance of $200 at the beginning of each month. He spent the monthly allowance on food, transportation and donation.

The line graph below shows how much he had left at the end of each week in February.



The table below shows the total amount of money Khairi spent on food and transportation from week 1 to week 4 in February.

Week	1	2	3	4
Total amount of money spent on food and transportation	$20	$30	?	$50

He spent the same amount of money on donation each week. What was the total amount of money he spent on food and transportation in week 3?

(1) $30

(2) $40

(3) $60

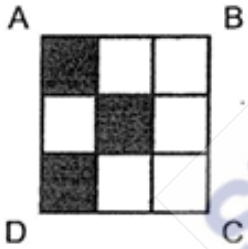
(4) $90

Questions **16** to **35** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

16. What is the remainder when 2019 is divided by 8?

Ans: _____

17. In the figure below, square ABCD is made up of 9 unit squares. What fraction of square ABCD is shaded?



Ans: _____

18. $\frac{2}{3} + \frac{1}{6} =$ _____

Ans: _____

19. Write $\frac{15}{7}$ as a mixed number.

Ans: _____

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

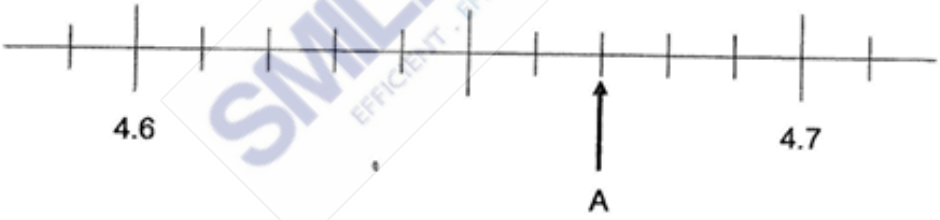
$\frac{2}{5}$, 0.405, 0.045

Ans: _____ (smallest), _____, _____ (greatest)

21. Write 7 thousandths as a decimal.

Ans: _____

22. Write the decimal represented by A.

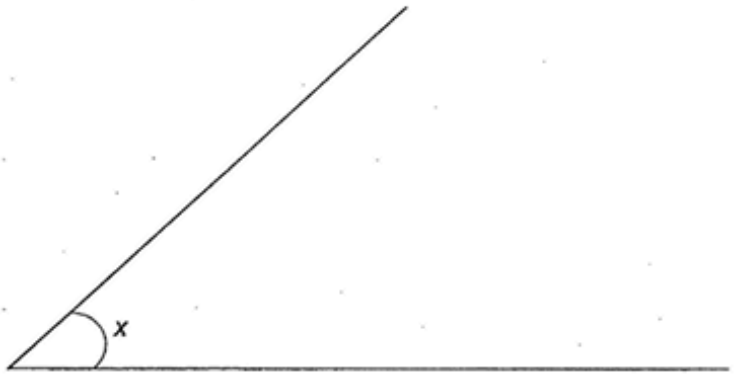


Ans: _____

23. 4.8 − 0.37 = _____

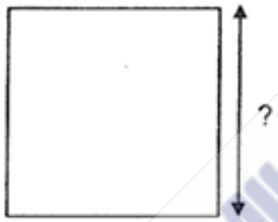
Ans: _____

24. Measure and write down the size of $\angle x$.



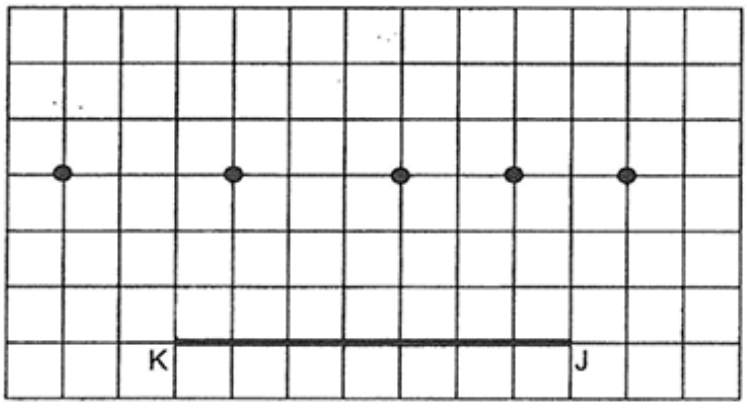
Ans: _____ °

25. The area of a square mat is 64 m^2. Find its length.



Ans: _____ m

26. In the square grid below, line JK and five points are given. One of the five given points is point L. $\angle$JKL is greater than 45° but smaller than 90°. Draw line KL to complete $\angle$JKL.

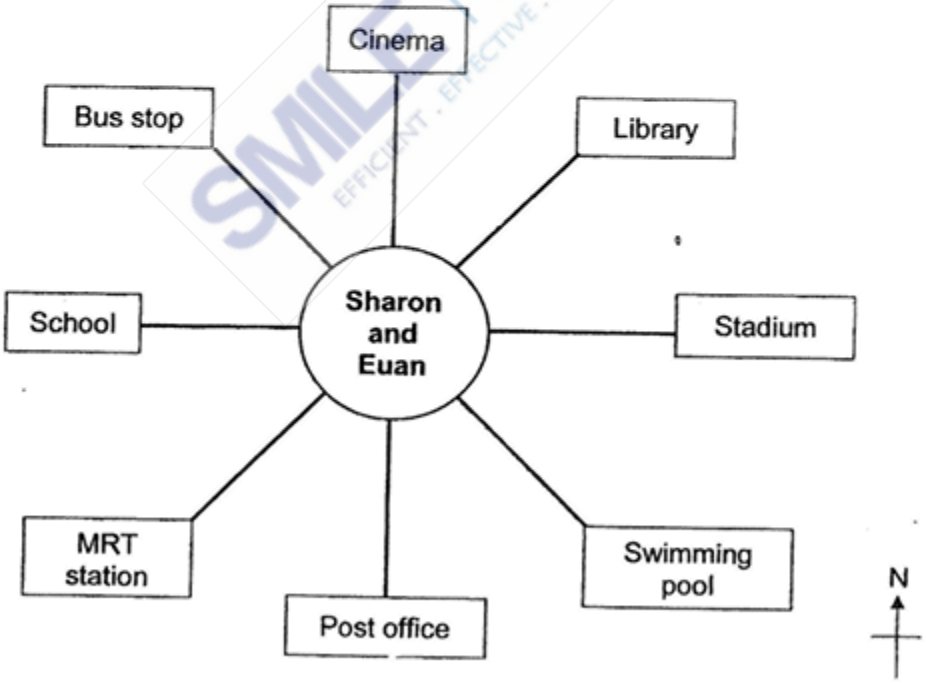


27. It is 8.30 a.m. now. What time will it be after the minute hand makes a three-quarter turn clockwise?

Ans: _____ a.m.

---

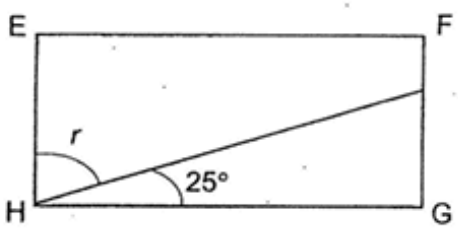
28. Sharon and Euan are standing in the middle of a town. Sharon is facing the MRT station and Euan is facing west. Sharon makes a $\frac{1}{2}$ turn. How many degrees in the anti-clockwise direction must Euan turn in order to face the same place as Sharon?



Ans: _____ °

---

29. In the figure below, EFGH is a rectangle.



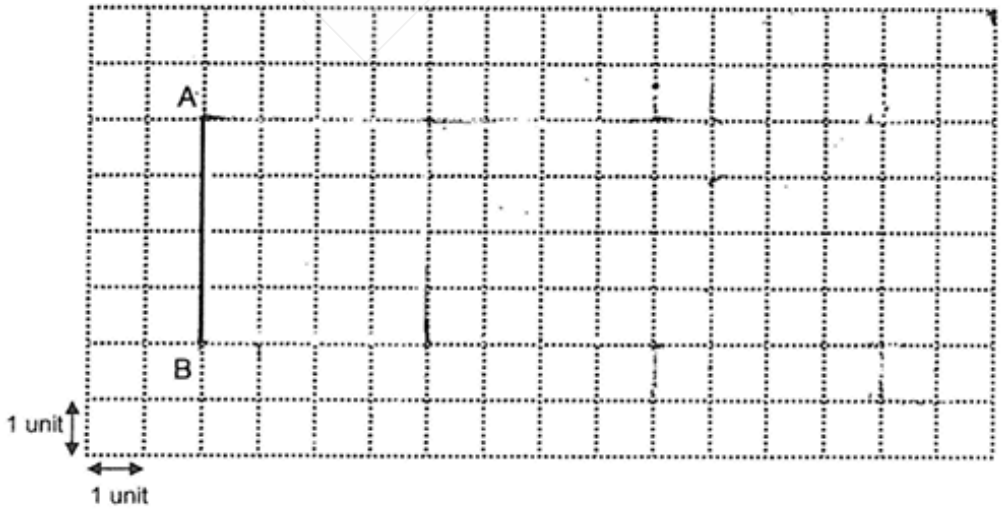
Each statement below is either true, false or not possible to tell from the information given. For each statement, put a (✓) in the correct column.

Statement	True	False	Not possible to tell
$\angle r = 75°$			
The total length of EF and FG is equal to the total length of HG and EH.			

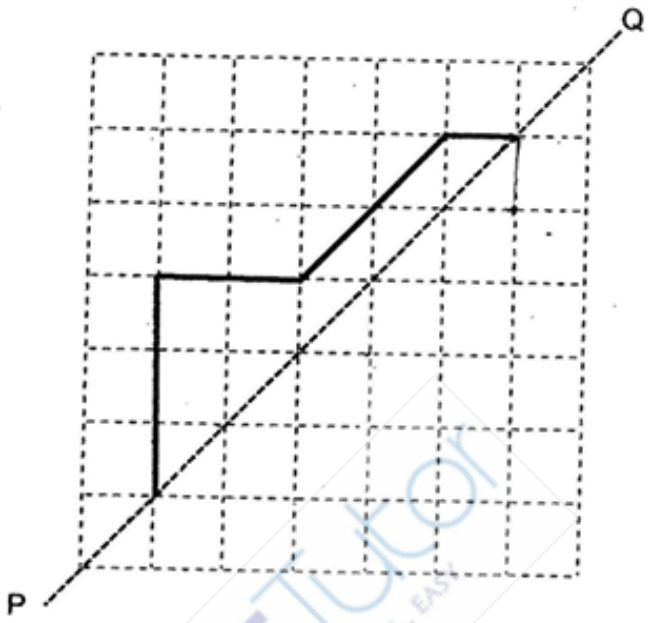
30. In the square grid below, line AB forms one side of square ABCD.

(a) Complete the drawing of square ABCD and

(b) using the same line CD, draw a rectangle CDEF where line CD forms one side of rectangle CDEF and the length of line BCF is 9 units.



31. Complete the symmetric figure below using line PQ as the line of symmetry.

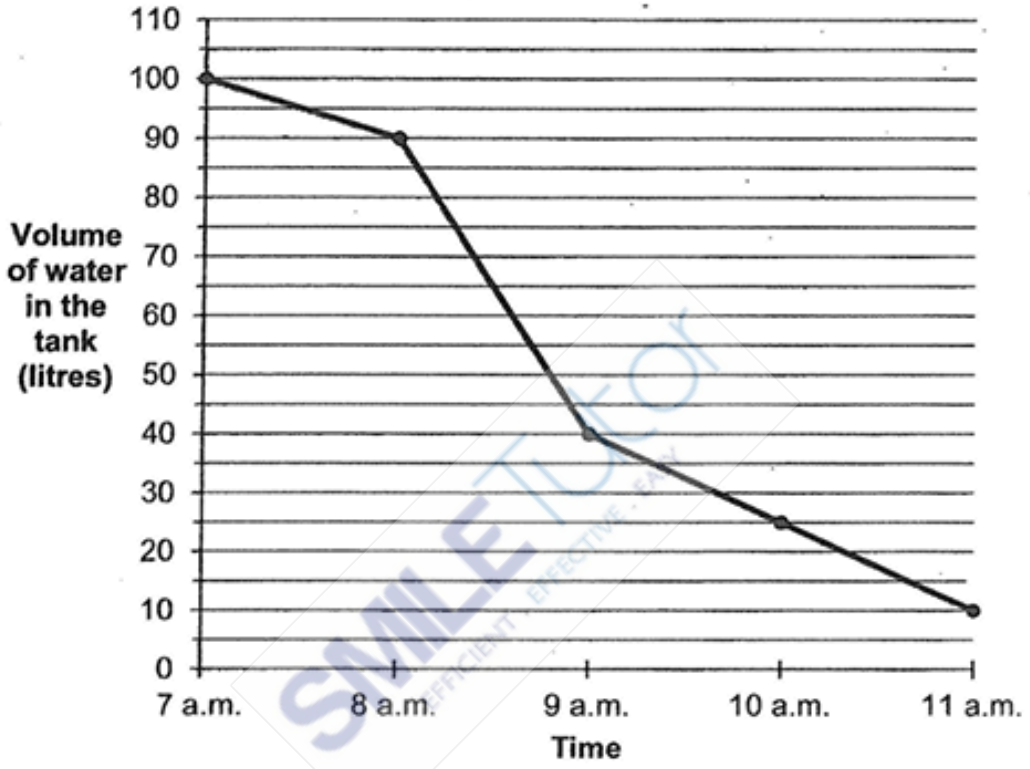


32. Mdm Rosie drank $\frac{2}{5}\ell$ of iced lemon tea. Mrs Lee drank $\frac{1}{4}\ell$ more iced lemon tea than Mdm Rosie. How much iced lemon tea did both of them drink altogether?

Ans: _____ ℓ

33. A tank was completely filled with water at 7 a.m. Water flowed out of the tank from 7 a.m. to 11 a.m.

The line graph below shows the volume of water in the tank at each 1-hour interval from 7 a.m. to 11 a.m.



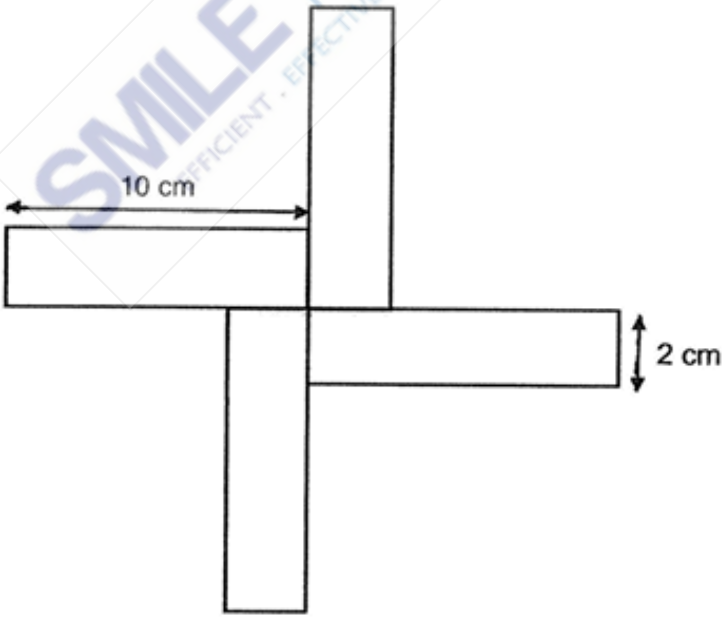
At what time was $\frac{1}{4}$ of the tank filled with water?

Ans: _____ a.m.

34. At first, there were some beads in a container. Aishah removed 258 beads from the container. Bala removed 10 times as many beads as Aishah from the container. There were 5788 beads in the container in the end. How many beads were there in the container at first?

Ans: _____

35. The figure below is made up of 4 identical rectangles. Find the perimeter of the figure.



Ans: _____ cm

For questions **36** to **43**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (30 marks)

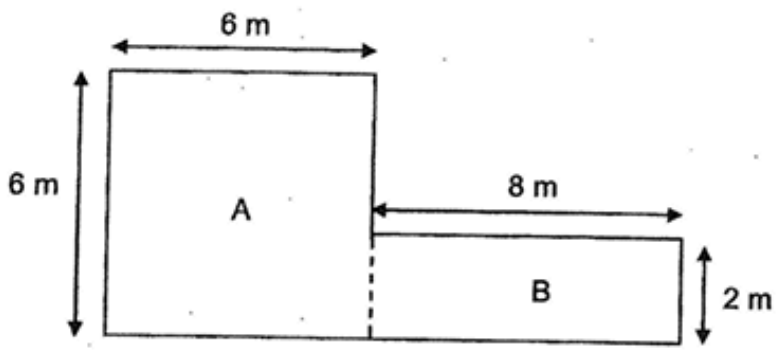
36. Laura had 1 m of wire. She gave 0.64 m of the wire to Trevor and the remaining wire to Kathy. Trevor used the wire he received to form a square, with no leftover. Kathy used the wire she received to form a triangle of equal sides, with no leftover. What was the difference in length between one side of the square and one side of the triangle?

Ans: _____ [3]

37. Mavis started cycling at 08 15. Siti started cycling 10 minutes later but stopped cycling 10 minutes earlier than Mavis. Mavis stopped cycling at 10 20. How long did Siti cycle?

Ans: _____ [3]

38. The measurements of a plot of land are given below.
(All sides of the plot of land meet at right angles.)



(a) What is the area of the plot of land?

(b) Each square metre of land costs $85. How much does the plot of land cost?

Ans: (a) _____ [2]

(b) _____ [2]

39. Mr Yap sold chicken sandwiches and tuna sandwiches from Monday to Thursday.

The table below shows the number of chicken sandwiches and tuna sandwiches sold in a certain week.

	Chicken Sandwich		Tuna Sandwich	
Day	Number sold	Amount collected	Number sold	Amount collected
Monday	9	$27	45	$90
Tuesday	30	$90	25	$50
Wednesday	50	$150	60	$120
Thursday	12	$36	10	$20

(a) Each chicken sandwich was sold at the same price. How much did Mr Yap sell one chicken sandwich for?

(b) How much more did he collect from the sales of chicken sandwiches than tuna sandwiches on Thursday?

Ans: (a) _____ [2]

(b) _____ [2]

40. Mr Alkaff and Mrs Rouge bought toothbrushes at the prices shown below.

(a) Mr Alkaff bought 6 Oral Z and 6 Darvey toothbrushes. How much did he pay in all?

(b) Mrs Rouge bought an equal number of Oral Z and Darvey toothbrushes. She paid $48.20 in total. How many toothbrushes did she buy altogether?

Ans: (a) _____ [2]

(b) _____ [2]

41. Josephine and Lin had 188 muffins altogether. Josephine and Balakrisnan had 548 muffins altogether. Balakrisnan had 4 times as many muffins as Lin. How many muffins did Josephine have?

Ans: _____ [4]

---

42. Amelia baked some cookies for her family. She gave $\frac{1}{4}$ of the cookies to her brother, $\frac{3}{8}$ of the cookies to her sister and kept the rest in a jar. She kept 144 cookies in the jar.

(a) What fraction of the cookies were kept in the jar?

(b) How many more cookies did Amelia give to her sister than to her brother?

Ans: (a) _____ [2]

(b) _____ [2]

---

43. There are 40 children in a hall. In the hall, each boy is given 1 balloon and each girl is given 3 balloons. The children are given 74 balloons in total.

(a) How many girls are there in the hall?

(b) How many boys are there in the hall?

Ans: (a) _____ [3]

(b) _____ [1]

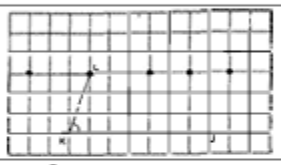
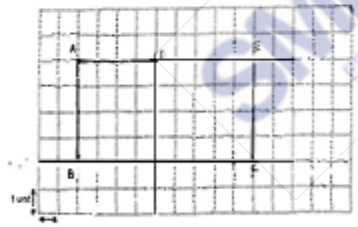
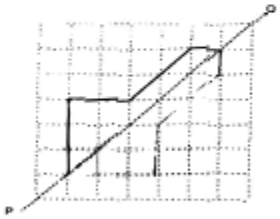
End of Paper

ANSWER SHEET

(BOOKLET A)

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

(BOOKLET B)

Q16	2019 ÷ 8 = 252 R 3 Ans: 3	Q17	$\frac{1}{3}$
Q18	$\frac{5}{6}$	Q19	$2\frac{1}{7}$
Q20	0.045, $\frac{2}{5}$, 0.405	Q21	0.007
Q22	4.67	Q23	4.43
Q24	42°	Q25	8m
Q26		Q27	9.15 a.m.
Q28	225°	Q29	False True
Q30		Q31	
Q32	$\frac{2}{5}+\frac{1}{4}=\frac{8}{20}+\frac{5}{20}=\frac{13}{20}$ $\frac{13}{20}+\frac{2}{5}=\frac{13}{20}+\frac{8}{20}=\frac{21}{20}=1\frac{1}{20}$	Q33	100 ÷ 4 = 25 10 .m. : 25 amount of water Ans : 10 a.m.
Q34	1u : 256 11u : 2838 total : 2838 + 5788 = 8626	Q35	10 – 2 = 8 10 + 2 + 8 = 20 20 x 4 = 80 cm
Q36	1 – 0.64 = 0.36 (Kathy) 0.64 ÷ 4 = 0.16 0.36 ÷ 3 = 0.12	Q37	35 min + 1h + 10min = 1h 45min

	0.16 – 0.12 = 0.04m
Q38	6 x 6 = 36 8 x 2 = 16 36 + 16 = 52 52 x $85 = $4420 (a) $52m^2$ (b) $4420
Q40	24.10 x 2 = $48.20 6 x 2 = 12 6 x 2 = 12 12 + 12 = 24 (a) $24.10 (b) 24
Q42	3u : 144 1u : 48 2u : 48 x 2 = 96 144 – 96 = 48 (a) $\frac{3}{8}$ (b) 48

Q39	27 ÷ 9 = 3 90 ÷ 30 = 3 150 ÷ 50 = 30 36 ÷ 12 = 3 36 - 20 = 16 a) $3 b) $16
Q41	548 - 188 = 360 3u: 360 1u: 360 ÷ 3 = 120 188 - 120 = 68
Q43	Suppose all are boys: 40 x 1 = 40 3 - 1 = 2 74 - 40 = 34 34 ÷ 2 = 17 40 - 17 = 23 a) 17 b) 23

PEI CHUN PUBLIC SCHOOL EOY PAPER

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. (30 marks)

---

1. Which of the following is a multiple of 6?

   (1) 30

   (2) 22

   (3) 3

   (4) 16

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

	(*smallest*)				(*greatest*)
(1)	3078	,	3708	,	3780
(2)	3780	,	3078	,	3708
(3)	3078	,	3780	,	3708
(4)	3780	,	3708	,	3078

3. Which of the following is **not** an equivalent fraction of $\frac{1}{5}$?

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

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

   (3) $\frac{5}{20}$

   (4) $\frac{6}{30}$

4. What fraction of the shapes in the box are ■ ?

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

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

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

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

5. Which of the following decimals is the greatest?

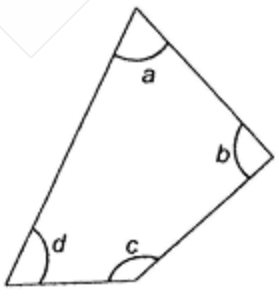
(1) 0.638

(2) 0.628

(3) 0.098

(4) 0.247

6. In the figure, which angle is a right angle?



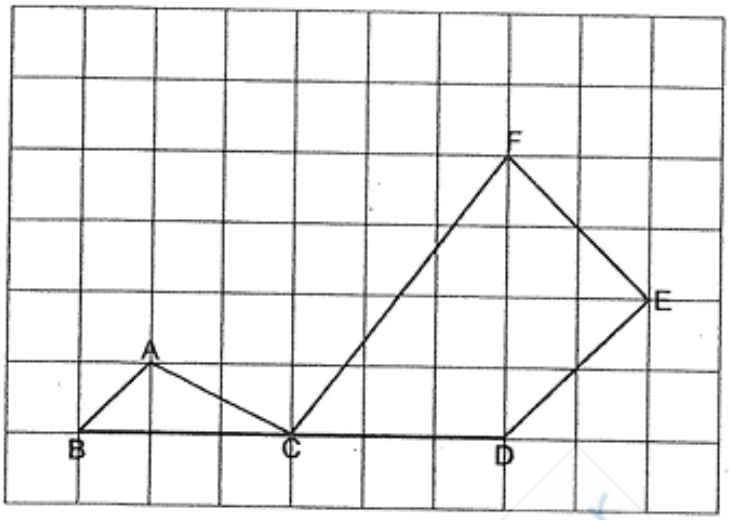
(1) $\angle a$

(2) $\angle b$

(3) $\angle c$

(4) $\angle d$

7. In the figure below, one of the lines is parallel to DE.



Which line is parallel to DE?

(1) AB

(2) AC

(3) CF

(4) EF

8. A movie lasted for 2 h 55 min. It ended at 8.05 p.m.
At what time did the movie start?

(1) 5.10 p.m.

(2) 5.50 p.m.

(3) 6.50 p.m.

(4) 11.00 p.m.

9. The figure below shows 1 object A, 5 object B and 1 object C on the balance scales.

The mass of object A is 360 g. What is the mass of object C?

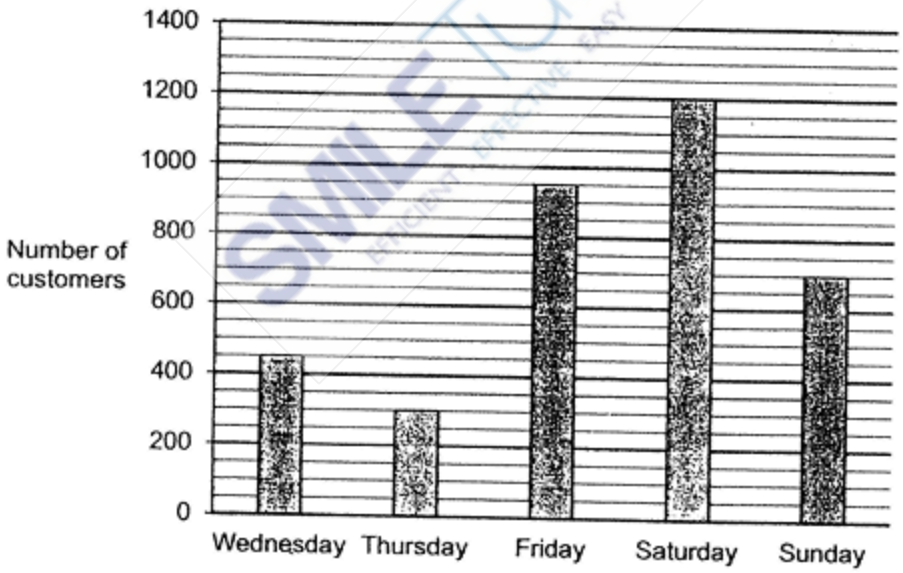
(1) 60 g

(2) 120 g

(3) 180 g

(4) 240 g

10. The bar graph below shows the number of customers who visited the supermarket on different days of the week.



How many customers visited the supermarket from Friday to Sunday?

(1) 900

(2) 950

(3) 1650

(4) 2850

11. Siva mixed 0.8 ℓ of orange syrup with 1.6 ℓ of water. He then poured the orange mixture equally into 8 similar cups. How much orange mixture did each cup contain?

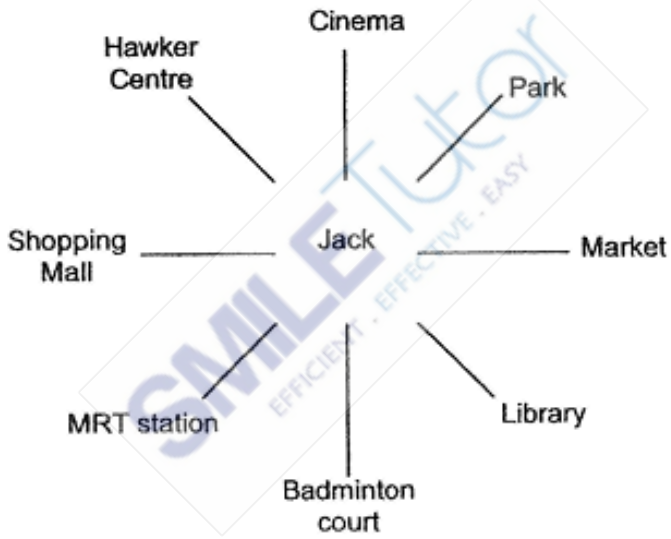
(1) 0.1 ℓ

(2) 0.2 ℓ

(3) 0.3 ℓ

(4) 2.4 ℓ

12. Jack turned 135° anti-clockwise and faced the shopping mall.



Where was he facing at first?

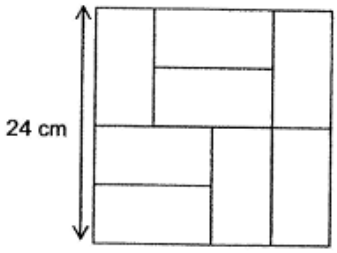
(1) Park

(2) Library

(3) Market

(4) Cinema

13. The figure below is made up of 8 identical rectangles. The length of one side of the figure is 24 cm.



What is the area of 1 rectangle?

(1) 36 cm^2

(2) 48 cm^2

(3) 72 cm^2

(4) 128 cm^2

14. Bala had some money. He wanted to buy 5 toys cars but was short of $1.50. In the end, he bought 2 such toy cars and had $12 left. How much money did a toy car cost?

(1) $2.10

(2) $2.70

(3) $4

(4) $4.50

15. Sharleen used 4 different shapes to form a pattern. The first 16 shapes were shown below.

What shape was in the 51st position?

(1) ○

(2) ☆

(3) △

(4) □

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. (40 marks)

Do not write in this space

16. $12\,308 = 10\,000 + 2000 + \underline{\quad ? \quad} + 8$

What is the missing number?

Answer : _____

17. Round 84 620 to the nearest hundred.

Answer : _____

18. Find the product of 2490 and 7.

Answer : _____

19. What is the value of $\frac{8}{9} + \frac{1}{3}$?

Express your answer as a mixed number.

Answer : _____

Do not write in this space

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

$$\frac{5}{8} \ , \ \frac{3}{4} \ , \ \frac{1}{2}$$

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

---

21. Write 4 thousandths as a decimal.

Answer : _____

---

22. Express 0.3 as a fraction.

Answer : _____

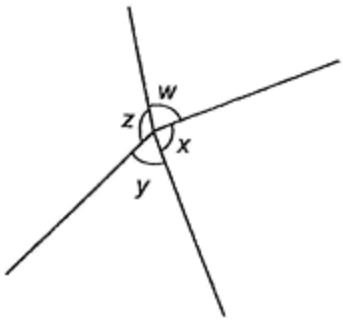
---

23. Round 12.51 to the nearest whole number.

Answer : _____

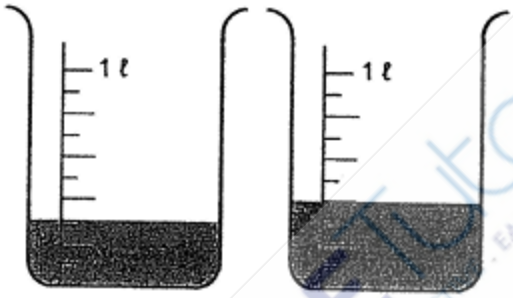
Do not write in this space

24. In the figure below, name the smallest angle.



Answer : ∠ _____

25. There is some water in the beakers shown below.



How much **more** water is needed to make 2 ℓ?
Leave your answer in litres and millilitres.

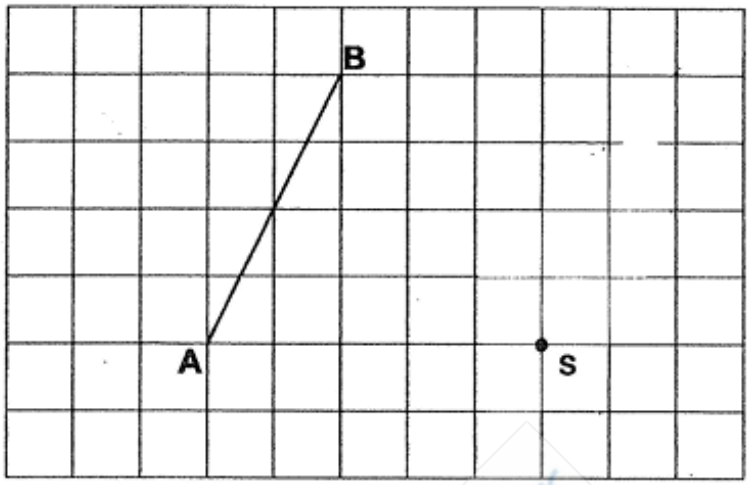
Answer : _____ ℓ _____ ml

26. The area of a square is 64 cm². What is the perimeter of the square?

Answer : _____ cm

Do not write in this space

27. In the grid given below, draw a line that is perpendicular to AB through the point S.



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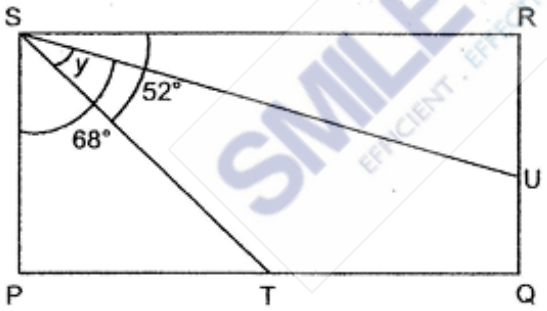
28. In the figure below, PQRS is a rectangle. $\angle RST = 52°$ and $\angle PSU = 68°$.



Find $\angle y$.

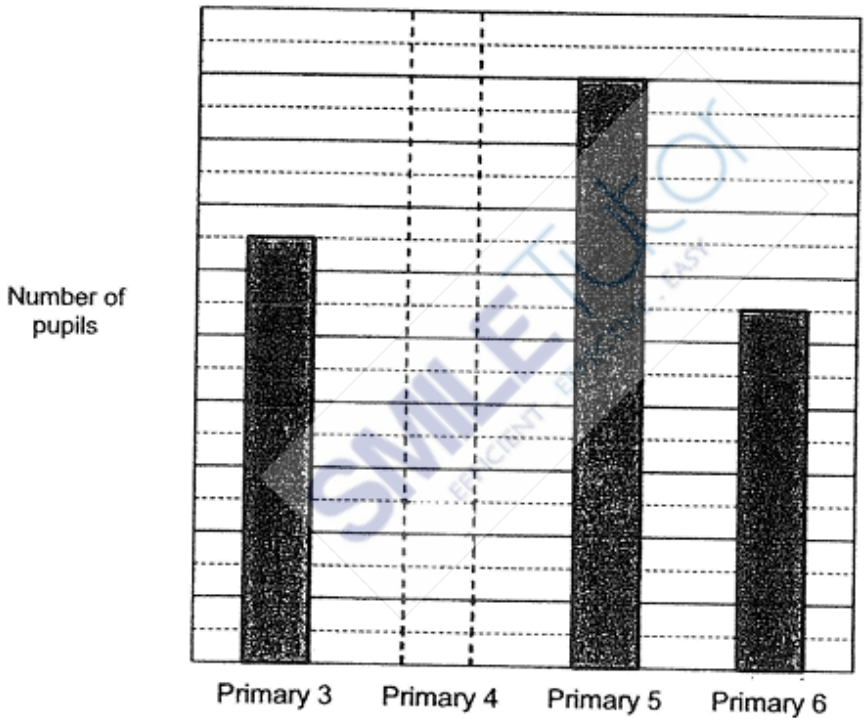
Answer : _____ °

29. The table below shows the number of pupils in a school who wear spectacles. A blob of ink covered the table showing the number of Primary 4 pupils who wear spectacles. There were 30 more Primary 6 pupils who wear spectacles than Primary 4 pupils who wear spectacles.

Do not write in this space

Primary	3	4	5	6
Number of pupils	65		90	55

Draw the bar graph below for the number of Primary 4 pupils who wear spectacles.



Do not write in this space

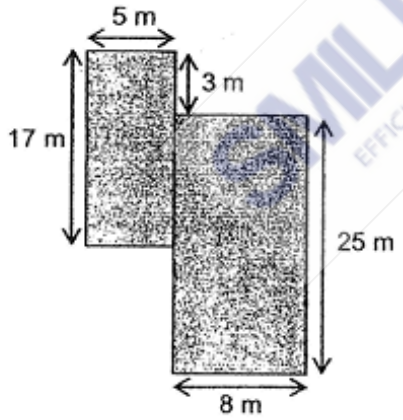
30. Sally had $\frac{2}{5}$ kg of sugar. She used $\frac{3}{10}$ kg to bake a cake.

How much sugar had she left?

Answer : _____ kg

---

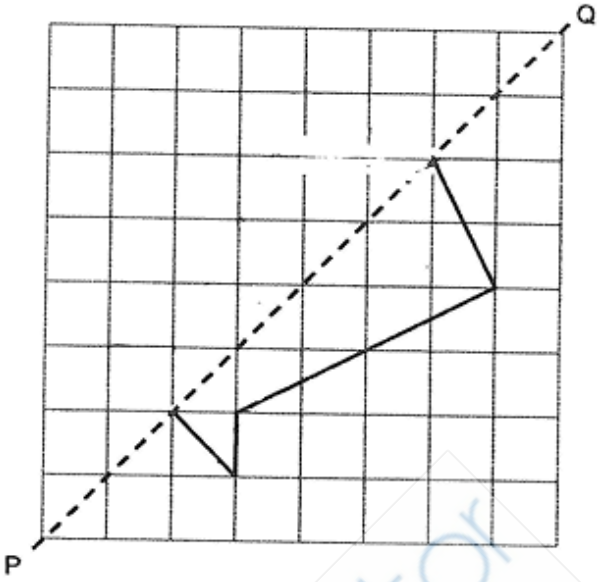
31. The figure below is made up of 2 different rectangles.
What is the perimeter of the figure?



Answer : _____ m

Do not write in this space

32. Complete the symmetric figure using 4 lines with PQ as the line of symmetry.



33. Jacob had some money. He spent $\frac{1}{4}$ of his money on a book and $\frac{1}{8}$ of it on a pencil case. He spent $0.70 more on the book than the pencil case. How much money did Jacob have at first?

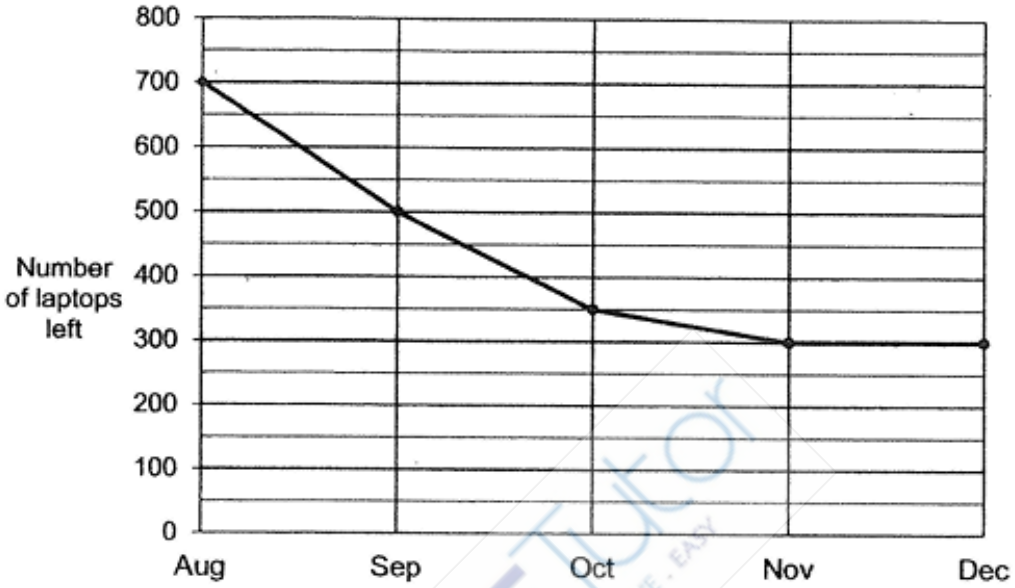
Answer : $ _____

34. Ken has 357 stamps and Yi Heng has 553 stamps. How many stamps must Yi Heng give to Ken so that both of them will have the same number of stamps in the end?

Answer : _____

Do not write in this space

35. In Mr Wong's shop, there were 1000 laptops for sale from August to December. The line graph below shows the number of laptops left in his shop at the end of each month.



Each of the statements is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) to indicate your answer.

Statement	True	False	Not possible to tell
Mr Wong sold the same number of laptops in November and December.			
Mr Wong sold the greatest number of laptops in September.			

For questions **36** to **43**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (30 marks)

Do not write in this space

36. Thomas had 10 identical boxes of cards. There were 25 cards in each box.

(a) How many cards did Thomas have?

Answer : (a) _____ [1]

(b) He then packed the cards into as many packets of 9 as he could. He had some cards left unpacked. How many cards were left unpacked?

Answer : (b) _____ [2]

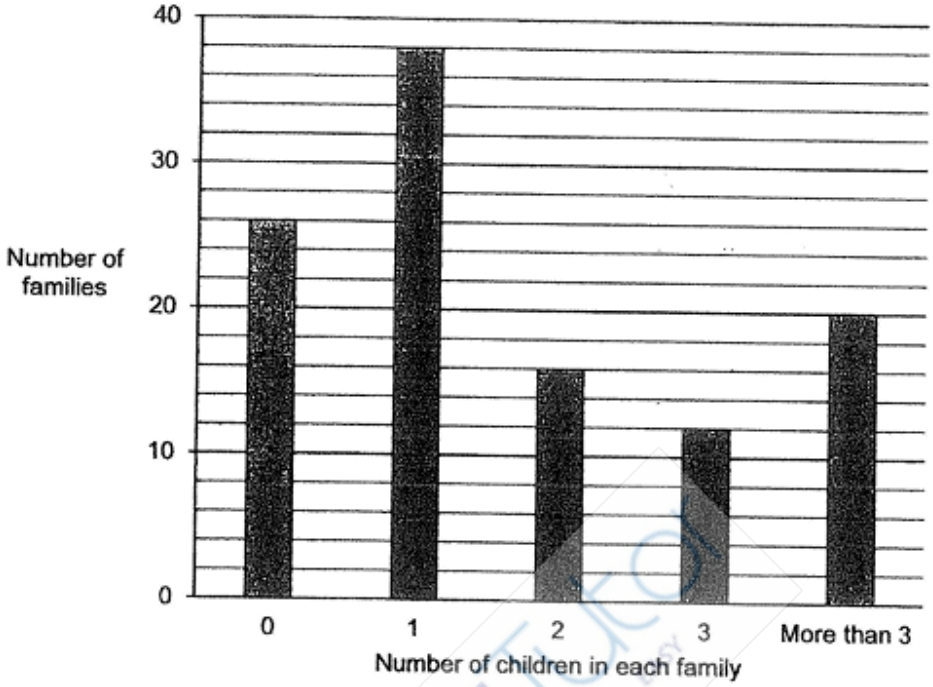
37. Kaijie, Mandy and Ian had $190.30 altogether. Kaijie had $2.50 more than Mandy. Ian had twice as much money as Mandy. How much money did Mandy have?

Do not write in this space

Answer : _____ [3]

38. The bar graph below shows the number of families with different number of children.

Do not write in this space



(a) Find the difference between the number of families with 1 child and the number of families with no children.

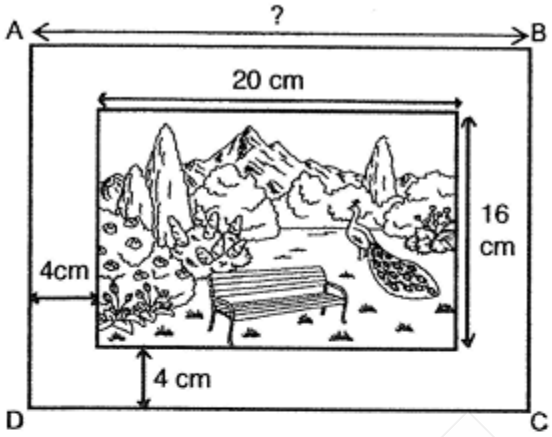
Answer : (a) _____ [2]

(b) What is the total number of families with fewer than 3 children?

Answer : (b) _____ [2]

Do not write in this space

39. A rectangular picture 20 cm by 16 cm is mounted onto a rectangular frame, ABCD, leaving a border of 4 cm around it.



(a) What is the length of the rectangular frame, AB?

Answer : (a) _____ [1]

(b) What is the area of the border?

Answer : (b) _____ [3]

40. Randy had three times as many stamps as Larson. After Randy gave away 105 of his stamps, Larson had twice as many stamps as Randy.

Do not write in this space

(a) How many stamps did Randy have in the end?

Answer : (a) _____ [2]

(b) How many stamps did Larson have?

Answer : (b) _____ [2]

Do not write in this space

41. Betty spent $\frac{4}{5}$ of her money on a dress. The dress cost $120. She spent the rest of her money on some t-shirts.

(a) What fraction of her money did she spend on the t-shirts?

Answer : (a) _____ [1]

(b) Each t-shirt cost $6. How many t-shirts did she buy?

Answer : (b) _____ [3]

42. Bala bought 4 pens and 2 pencils. Ming Jie bought 2 pens and 4 pencils. Bala paid $2.40 more than Ming Jie. A pencil cost $1.35.

Do not write in this space

(a) What was the cost of a pen?

Answer : (a) _____ [2]

(b) How much more did a pen cost than a pencil?

Answer : (b) _____ [2]

Do not write in this space

43. Kim bought an equal number of cupcakes and cookies. He spent $168 more on the cupcakes than on the cookies. A cupcake cost $5 and a cookie cost $2.

(a) How many cookies did he buy?

Answer : (a) _____ [2]

(b) How much did he spend on the cupcakes?

Answer : (b) _____ [2]

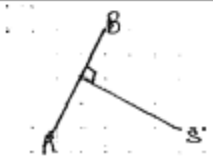
End of Paper

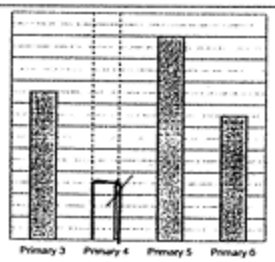
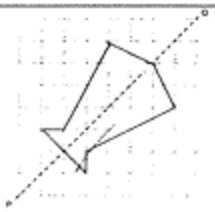
ANSWER SHEET

Booklet A

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

Booklet B

Q16	Ans : 300	Q17	Ans : 84 600
Q18	Ans : 17 430	Q19	$\frac{8}{9}+\frac{3}{9}=1\frac{2}{9}$ Ans : $1\frac{2}{9}$
Q20	Ans : $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$	Q21	Ans : 0.004
Q22	Ans : $\frac{3}{10}$	Q23	Ans : 13
Q24	Ans : y	Q25	Ans : 1 L 300 ml
Q26	8×8=64 8×4=32 Ans : 32	Q27	

Q28	90-68=22 52-22=30 Ans : 30	Q29	
Q30	$\frac{2}{5}-\frac{3}{10}=\frac{1}{10}$ Ans : $\frac{1}{10}$	Q31	5+3+8+25+8+11+5+17=82 Ans : 82
Q32		Q33	$\frac{1}{4}-\frac{1}{8}=\frac{1}{8}$ 0.70×8=5.60 Ans : 5.60
Q34	553-357=196 196÷2=98 Ans : 98	Q35	Ans : False False
Q36	(a) 25×10 = 250 (b) 250÷9=27R7 Ans : (a) 250 (b) 7	Q37	190.30-2.50=187.80 187.80÷4=46.95 Ans : $ 46.95
Q38	(a) 12 (b) 38+26+16=80 Ans : (a) 12 (b) 80	Q39	(a) 20+8=28 (b) 28×24=672 16×20=320 672-320=352 Ans : (a) 28cm (b) 352cm^2

Q40	(a) 105÷5=21 (b) 21×2=42 Ans : (a) 21 (b) 42	Q41	(a) $1-\frac{4}{5}=\frac{1}{5}$ (b) 120÷4=30 30÷6=5 Ans : (a) $\frac{1}{5}$ (b) 5
Q42	(a) (2×1.35)+2.40=5.10 5.10÷2=2.55 (b) 2.55-1.35=1.20 Ans : (a) $2.55 (b) $1.20	Q43	(a) 5-2=3 168÷3=56 (b) 56×5=280 Ans : (a) 56 (b) $280

PAYA LEBAR METHODIST GIRLS' SCHOOL (PRIMARY)
EOY PAPER

Questions **1** to **16** 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. (32 marks)

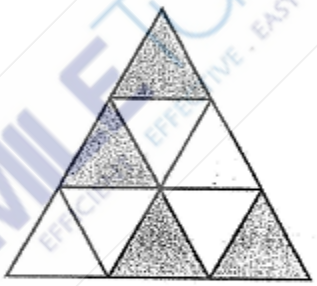
---

1. 42 thousands and 8 tens is the same as _____.

(1) 428 (2) 4280

(3) 42 008 (4) 42 080 ( )

2. The figure shown is made up of identical triangles.



What fraction of the figure is shaded?

(1) $\frac{4}{5}$ (2) $\frac{4}{8}$

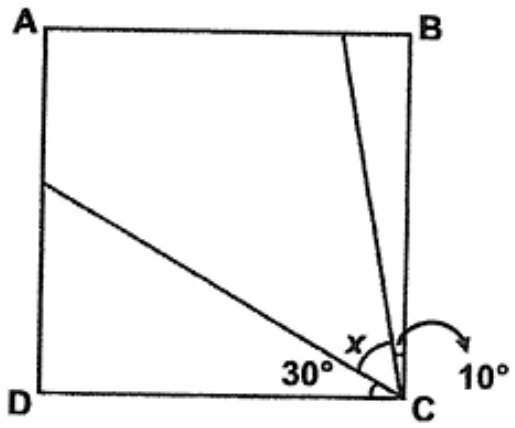
(3) $\frac{4}{9}$ (4) $\frac{5}{9}$ ( )

3. In the number 85.76, the digit _____ is in the hundredths place.

(1) 5 (2) 6

(3) 7 (4) 8 ( )

4. In the figure shown, ABCD is a square. Find $\angle x$.



(1) 80°

(2) 60°

(3) 50°

(4) 40° ( )

5. How many one-quarters are there in 3 wholes?

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

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

(3) 12

(4) 4 ( )

6. Which of the following is a factor of both 12 and 80?

(1) 10

(2) 9

(3) 6

(4) 4 ( )

7. The table shows the time taken by 4 boys to run 400 m.

Name	Time Taken
Alan	1 min 10 s
Bala	1 min 8 s
Carl	70 s
Dong Le	66 s

Who was the fastest runner?

(1) Alan (2) Bala

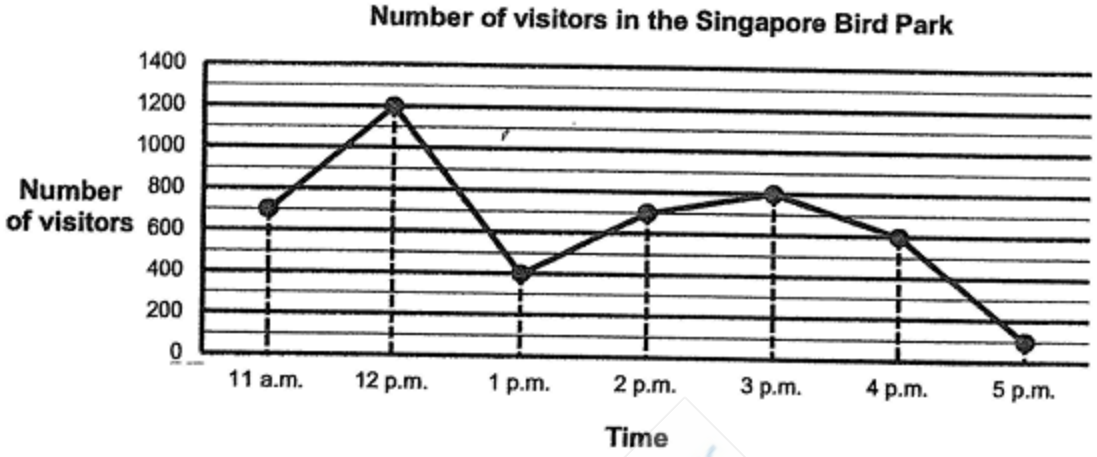
(3) Carl (4) Dong Le ( )

8. Peter bought one bottle of oil. He used $\frac{2}{3}$ of the bottle of oil to fry some chicken wings and $\frac{1}{12}$ of it to bake muffins. How much oil was left in the bottle?

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

(3) $\frac{3}{4}$ (4) $\frac{7}{12}$ ( )

9. The line graph shows the number of visitors who visited the Singapore Bird Park on Saturday from 11 a.m. to 5 p.m.



In which one-hour period did the number of visitors decrease the most?

(1) 12 p.m. to 1 p.m. (2) 1 p.m. to 2 p.m.

(3) 3 p.m. to 4 p.m. (4) 4 p.m. to 5 p.m. ( )

10. Express $7\frac{3}{20}$ as a decimal.

(1) 7.3 (2) 7.32

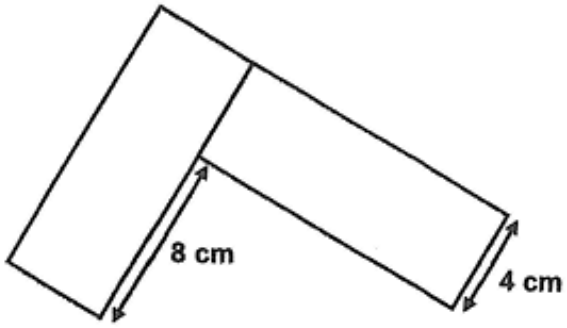
(3) 7.15 (4) 7.015 ( )

11. Joshua went for a movie which started at 20 30. The movie ended at 23 15. How long was the movie?

(1) 2 h 15 min (2) 2 h 45 min

(3) 3 h 15 min (4) 3 h 45 min ( )

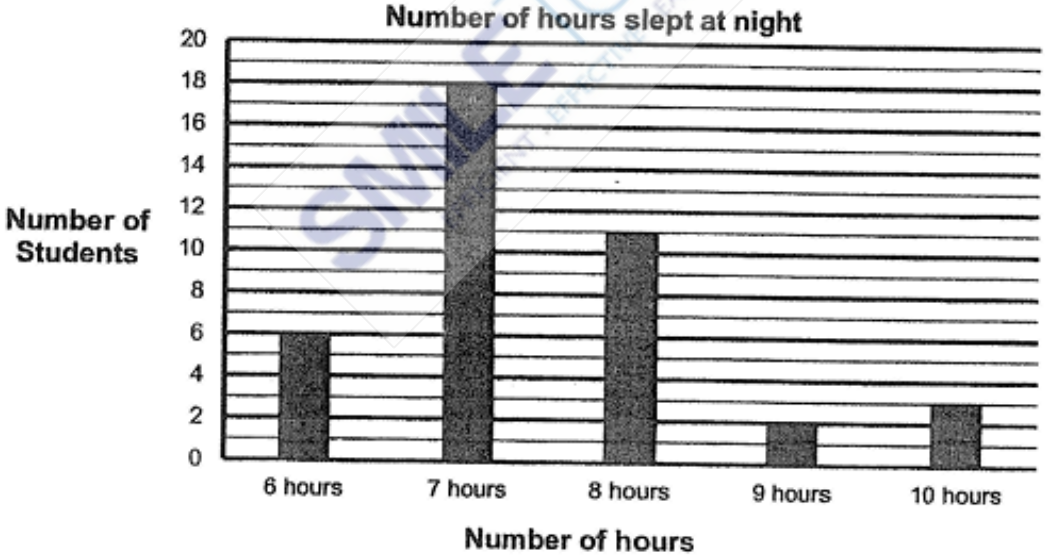
12. The figure below is made up of 2 identical rectangles. What is the area of the figure?



(1) 96 cm^2 (2) 64 cm^2

(3) 48 cm^2 (4) 32 cm^2 ( )

13. Miss Tan conducted a survey to find out the number of hours her pupils slept at night. The bar graph below shows the results of the survey conducted.



How many students slept less than 8 hours?

(1) 35 (2) 24

(3) 18 (4) 11 ( )

14. How many letters in the following word have at least one line of symmetry?

S H I N E

(1) 5 (2) 2

(3) 3 (4) 4 ( )

15. Round $83.62 to the nearest ten dollar.

(1) $80 (2) $83

(3) $84 (4) $90 ( )

16. Study the shape pattern below. Which shape is found in the 115th position?

1st ... 115th

(1) ☆ (2) ♡

(3) ☾ (4) ☼ ( )

End of Booklet A

SECTION B

Questions **17** to **36** 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)

Do not write in this space

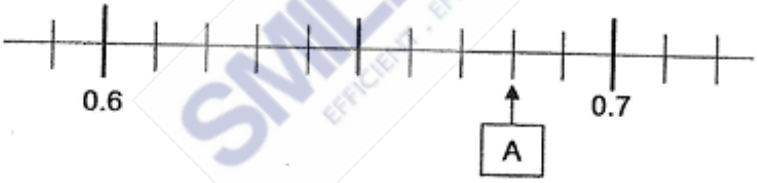
17. Round 35 620 to the nearest hundred.

Ans: _____

18. Write $\frac{17}{4}$ as a mixed number.

Ans: _____

19. Write the decimal represented by A.



Ans: _____

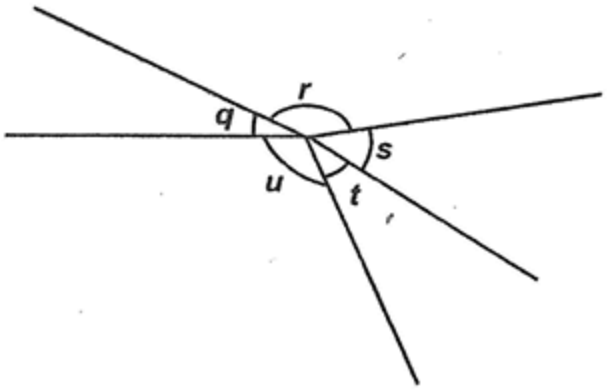
20. Arrange the following numbers from the smallest to the greatest.

3902	3092	3920

Ans: _____ (smallest), _____, _____ (greatest)

Do not write in this space

21. In the figure, name the two angles that are greater than 90°.



Ans: ∠_____ and ∠_____

22. $\frac{3}{5} - \frac{2}{10} =$ ☐

Ans: _____

23. $7.2 - 0.45 =$ ☐

Ans: _____

24. What is the remainder when 4013 is divided by 6?

Ans: _____

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

Do not write in this space

$\frac{2}{3}$	$\frac{1}{2}$	$\frac{5}{6}$

Ans: _____ (greatest), _____, _____ (smallest)

26. The area of a rectangle is 48 cm^2. The length of the rectangle is 8 cm. What is the breadth of the rectangle?

Ans: _____ cm

27. When a number with 1 decimal place is rounded to the nearest whole number, the answer is 89.

(a) What is the greatest possible number?

Ans: (a) _____

(b) What is the smallest possible number?

Ans: (b) _____

Do not write in this space

28. The table shows the number of boys and girls in two Primary 4 classes who wear or do not wear spectacles.

Class	Number of boys		Number of girls		Total
	Wears spectacles	Does not wear spectacles	Wears spectacles	Does not wear spectacles	
Primary 4A	9	14	7	?	42
Primary 4B	12	8	11	10	41

(a) How many boys from both classes wear spectacles?

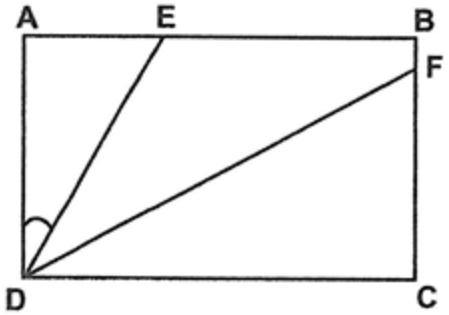
Ans: (a) _____

(b) How many girls from Primary 4A do not wear spectacles?

Ans: (b) _____

29. ABCD is a rectangle. ∠ADE = ∠EDF = ∠FDC.

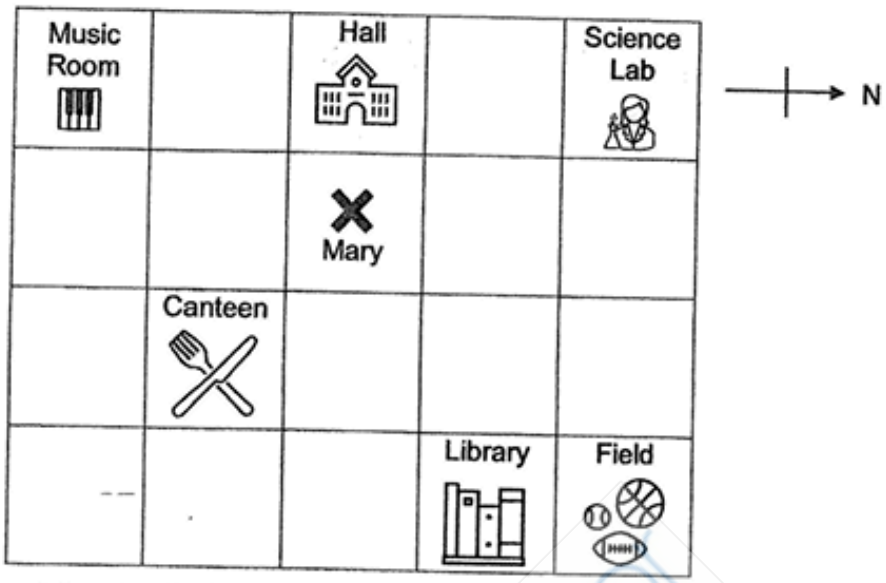
Find ∠ADE.



Ans: _____ °

Do not write in this space

30. The square grid shows different locations in a school.



(a) In which direction is the Science Lab from the Hall?

Ans: (a) _____

(b) Mary is standing at Point X, facing the Canteen.
She makes a 90° turn anti-clockwise.
Where will she be facing after making the turn?

Ans: (b) _____

31. The perimeter of a square is 72 cm. What is the area of the square?

Ans: _____ cm^2

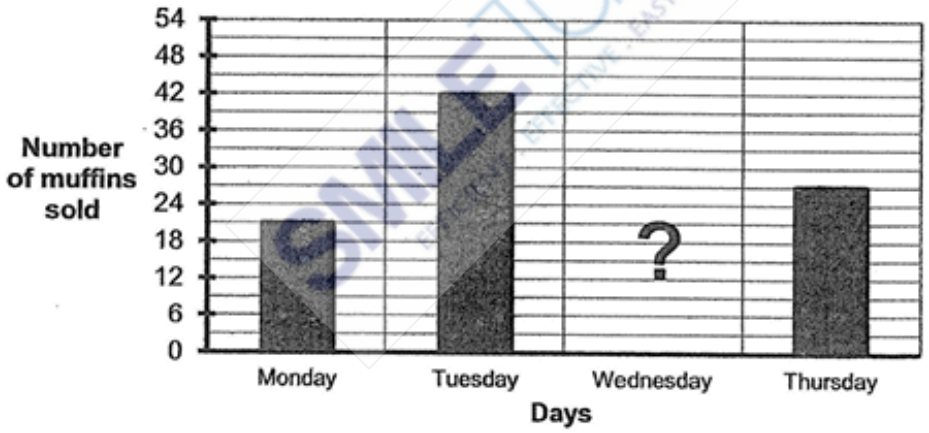
32. Mrs Tan took 15 minutes to walk home from the supermarket. She left the supermarket at 1.50 p.m. What time did she reach home? Express the time using the 24-hour clock.

Do not write in this space

Ans: _____

33. Bobby had some muffins.

The graph below shows the number of muffins sold by Bobby in 4 days.



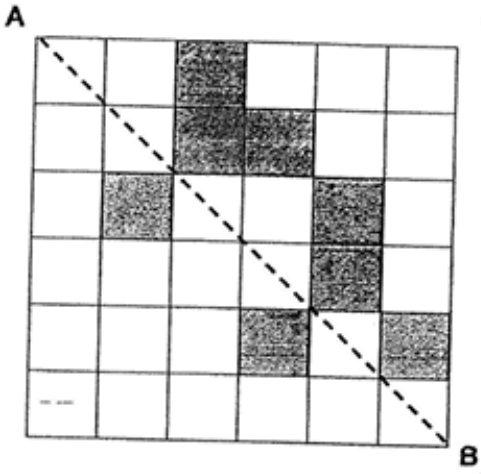
$\frac{3}{4}$ of the total muffins were sold on Monday, Tuesday and Thursday.

How many muffins were sold on Wednesday?

Ans: _____

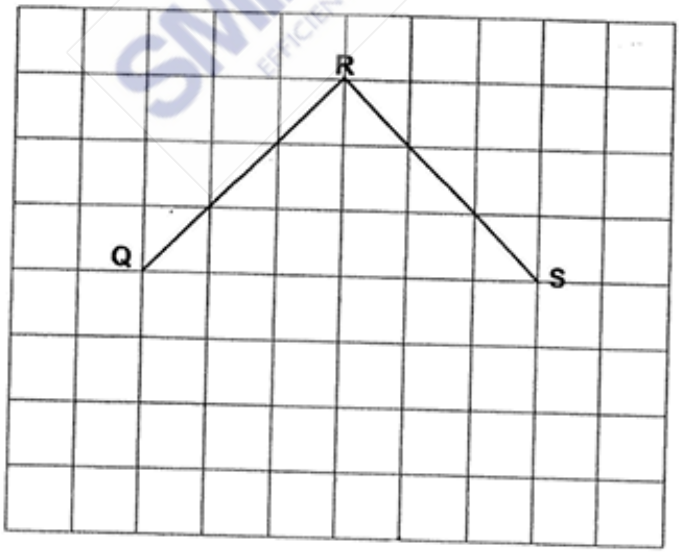
34. What is the least number of squares needed to be shaded so that the line AB is a line of symmetry for the figure?

Do not write in this space



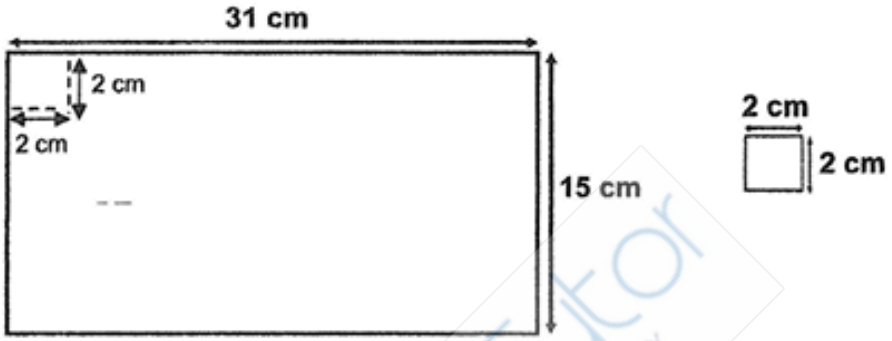
Ans: _____

35. Complete the drawing of Square QRST and label the Point T.



Do not write in this space

36. Javier has a rectangular paper measuring 31 cm by 15 cm as shown below. He wants to cut out small squares measuring 2 cm by 2 cm from the piece of rectangular paper. What is the greatest number of small squares that Javier can cut out?



Ans: _____

SECTION C

Do not write in this space

For questions **37** to **43**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(28 marks)

37. Shop X sold 4 times as many cars as Shop Y.
Shop Y sold twice as many cars as Shop Z.
Shop Z sold 602 fewer cars than Shop X.

(a) How many cars did Shop Z sell?

Ans: (a) _____ [2]

(b) How many cars did the three shops sell altogether?

Ans: (b) _____ [2]

38. Belicia mixed 1.43 ℓ of orange syrup with 8 ℓ of water to make an orange drink. The orange drink was then poured into 7 identical jugs.

Do not write in this space

(a) How many litres of orange drink were there in total?

Ans: (a) _____ [2]

(b) How many litres of orange drink were there in each jug?
Round your answer to 2 decimal places.

Ans: (b) _____ [2]

39. Jamie read $\frac{2}{9}$ of a book on Monday, $\frac{1}{3}$ of the book on Tuesday and the remaining pages on Wednesday. She read 25 more pages on Tuesday than on Monday.

Do not write in this space

(a) What fraction of the book did she read on Wednesday?

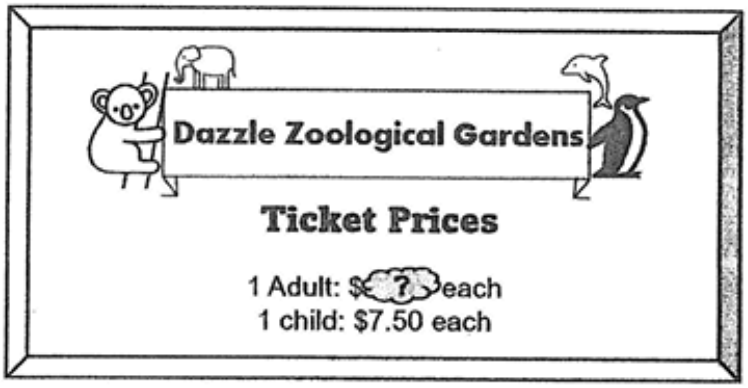
Ans: (a) _____ [1]

(b) How many pages were there in the book?

Ans: (b) _____ [3]

40. Use the information below to answer question 40.

Do not write in this space



Mr. and Mrs. Lee brought their 5 children to Dazzle Zoological Gardens. They paid $67.50 in total for their tickets.

(a) How much did the tickets for 5 children cost?

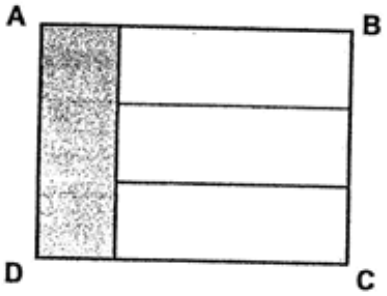
Ans: (a) _____ [2]

(b) Find the cost of 1 adult ticket.

Ans: (b) _____ [2]

41. Rectangle ABCD is made up of 4 identical rectangles.

The perimeter of the shaded rectangle is 48 cm.



(a) What is the area of the shaded rectangle?

Ans: (a) _____ [2]

(b) What is the perimeter of rectangle ABCD?

Ans: (b) _____ [2]

Do not write in this space

42. The table below shows the number of dots and arrows used to form each figure.

Do not write in this space

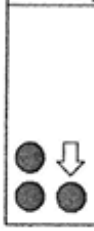
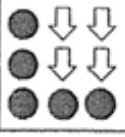
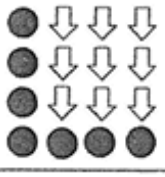
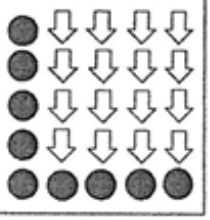
Figure 1	Figure 2	Figure 3	Figure 4
			

Figure Number	Number of dots	Number of arrows
1	3	1
2	5	4
3	7	9
4	9	16
⋮	⋮	⋮
6	(a) _____	(a) _____

[1]

(a) Complete the table for Figure 6.

(b) Which figure would have a total of 43 dots?

Ans: (b) _____ [2]

(c) How many arrows would be used for Figure 20?

Ans: (c) _____ [1]

43. Poppy paid $375 for 4 similar watches and 5 similar headphones.
Melody paid $160 less for 2 similar watches and 3 similar headphones.

Do not write in this space

(a) What was the cost of 2 similar watches and 3 similar headphones?

Ans: (a) _____ [1]

(b) What was the cost of a headphone?

Ans: (b) _____ [3]

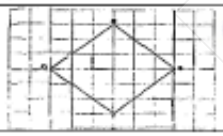
End of Paper 2

ANSWER SHEET

(PAPER 1)

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

(PAPER 2)

Q17	35 600	Q18	$4\frac{1}{4}$
Q19	0.68	Q20	3092, 3902, 3920
Q21	r and u	Q22	$\frac{2}{5}$
Q23	6.75	Q24	5
Q25	$\frac{5}{6}, \frac{2}{3}, \frac{1}{2}$	Q26	6cm
Q27	(a) 89.4 (b) 88.5	Q28	(a) 9 + 12 = 21 (b) 9 + 14 + 7 = 30 42 – 30 = 12
Q29	90 ÷ 3 = 30°	Q30	(a) north (b) field
Q31	72 ÷ 4 = 18 18 x 18 = 324cm^2	Q32	2.05 p.m. : 14 05
Q33	21 + 42 + 27 = 90 90 ÷ 3 = 30	Q34	4
Q35		Q36	31 ÷ 2 = 15 R1 15 ÷ 2 = 7 R1 15 x 7 = 105
Q37	(a) 602 ÷ 7 = 86 (b) 86 x 11 = 946	Q38	(a)8ℓ + 1.43ℓ = 9.43 ℓ (b) 9.43 ÷ 7 = 1.347 ≈ 1. 35 ℓ
Q39	(a) $\frac{4}{9}$ (b) 25 x 9 = 225	Q40	(a)$7.50 x 5 = $37.50 (b) 67.50 – 37.50 = $30 30 ÷ 2 = $15
Q41	(a) 48 ÷ 22 ÷ 4 = 6 (6 x 3) x 6 = 108cm^2 (b) (6 + 6 + 6 +6 + 18) x 2 = 84cm	Q42	(a) 13 (a) 36 (b) (43 – 1) ÷ 2 = 21 (c) 20 x 20 = 400
Q43	(a) 375 – 160 = $215 (b) 215 x 2 = 430 430 – 375 = $55		

RAFFLES GIRLS' PRIMARY SCHOOL EOY PAPER

SECTION A (25 marks)

Questions 1 to 5 carry 1 mark each. Questions 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.

---

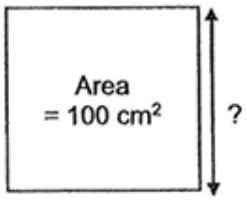
1. The value of the digit 5 in 57 349 is _____ .

   (1) 50
   (2) 500
   (3) 5000
   (4) 50 000

2. Which of the following is **not** a factor of 56?

   (1) 6
   (2) 7
   (3) 14
   (4) 28

3. Find the length of the square.



   (1) 10 cm
   (2) 25 cm
   (3) 40 cm
   (4) 50 cm

4. 4 min 45 s = _____

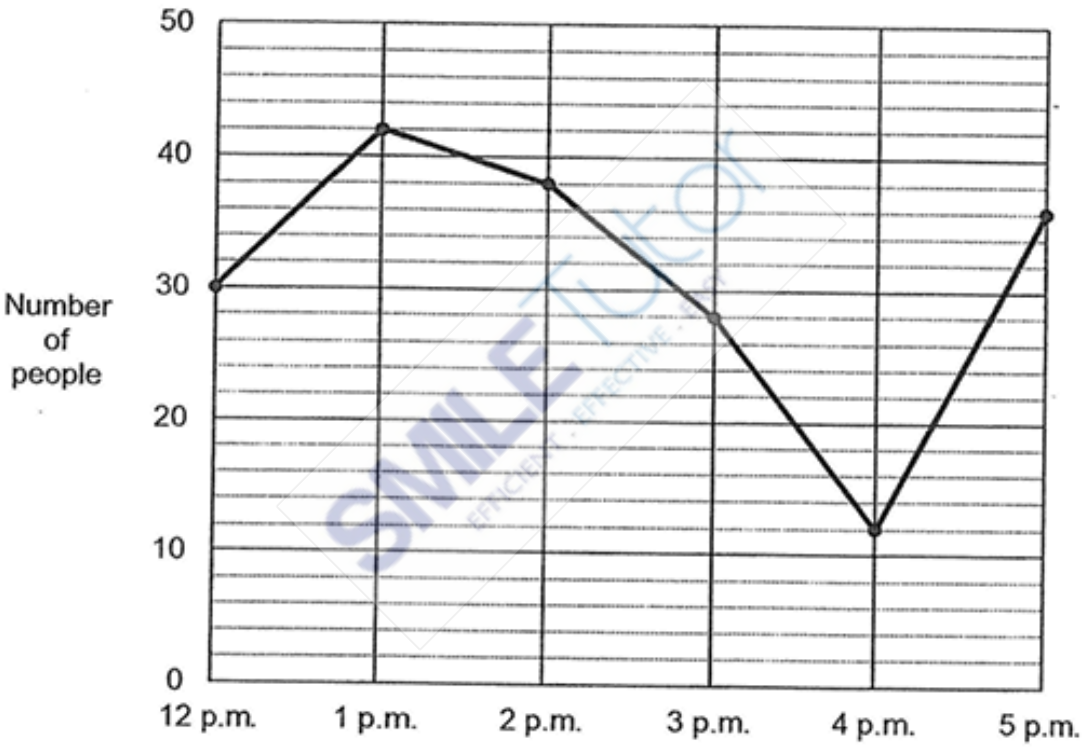
(1) 49 s

(2) 69 s

(3) 285 s

(4) 445 s

5. The line graph shows the number of people in a cafe on a Sunday.



What was the decrease in the number of people from 3 p.m. to 4 p.m.?

(1) 8

(2) 12

(3) 13

(4) 16

6. $5\frac{2}{3} = \frac{\square}{3}$

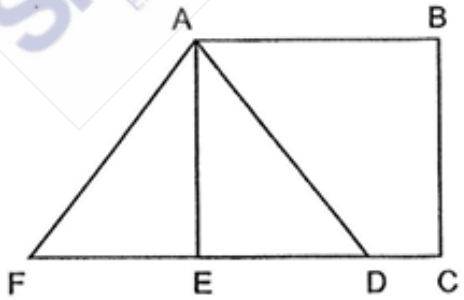
What is the missing number in the box?

(1) 10
(2) 13
(3) 15
(4) 17

7. In the number 97.85, the digit _____ is in the tenths place.

(1) 5
(2) 7
(3) 8
(4) 9

8. In the figure, which two lines below are perpendicular?



(1) AB and AD
(2) AB and FC
(3) AD and AF
(4) AE and ED

9. Arrange the following decimals from the smallest to the greatest.

5.8 , 0.58 , 5.08 , 0.85

(smallest) *(greatest)*

(1) 0.58 , 0.85 , 5.08 , 5.8

(2) 0.85 , 0.58 , 5.08 , 5.8

(3) 0.58 , 5.8 , 5.08 , 0.85

(4) 0.85 , 0.58 , 5.8 , 5.08

10. What fraction of the shapes in the box are  ?

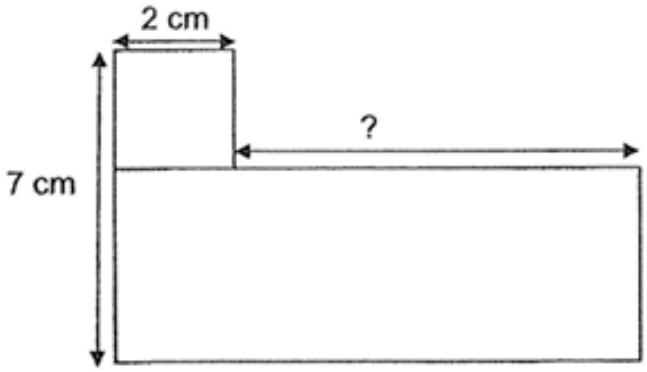
(1) $\frac{4}{8}$

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

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

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

11. The figure is made up of a square and a rectangle. The area of the rectangle is 60 cm^2. What is the length of the unknown side?

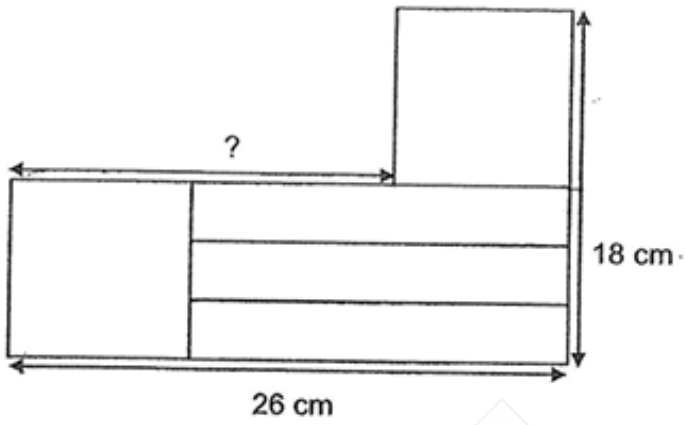


(1) 5 cm
(2) 10 cm
(3) 12 cm
(4) 13 cm

12. A glass can hold 0.4 ℓ of water. 9 such glasses are needed to fill 2 jugs to the brim. What is the capacity of 1 jug?

(1) 0.18 ℓ
(2) 0.36 ℓ
(3) 1.8 ℓ
(4) 3.6 ℓ

13. The figure is made up of 2 identical squares and 3 identical rectangles. What is the length of unknown side?

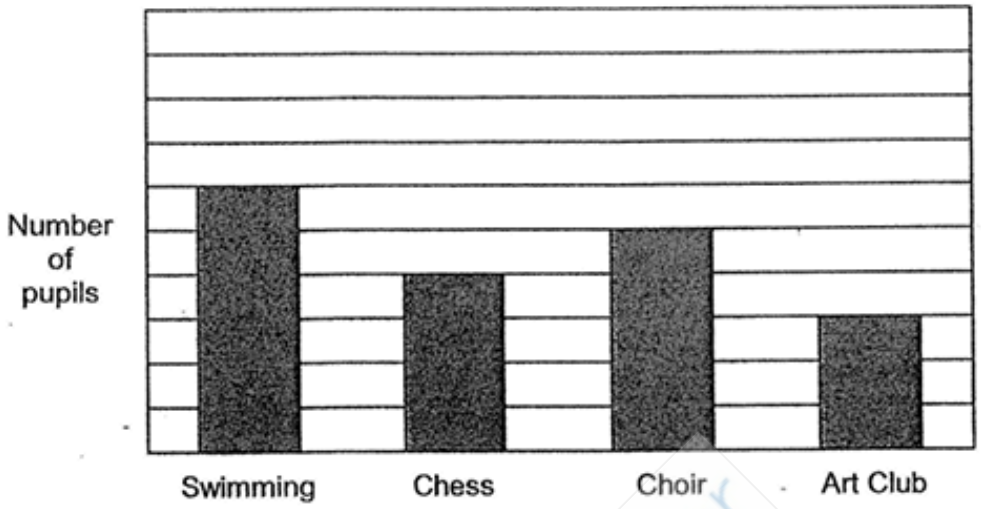


(1) 8 cm
(2) 9 cm
(3) 17 cm
(4) 18 cm

14. The chairs in a theatre were arranged equally in rows. There were 11 rows of chairs. Mark sat at the fourth row. 7 people were seated on his right and 9 people were seated on his left. How many chairs were there in the theatre?

(1) 27
(2) 176
(3) 187
(4) 693

15. The graph shows some pupils and the CCA that they have chosen.



The number of pupils who chose Art Club CCA was 12 fewer than the pupils who chose Choir CCA. How many pupils were there altogether?

(1) 18
(2) 54
(3) 72
(4) 108

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. All diagrams are not drawn to scale.

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

138 , 813 , 831 , 183

Ans: _____ (greatest) , _____ , _____ , _____ (smallest)

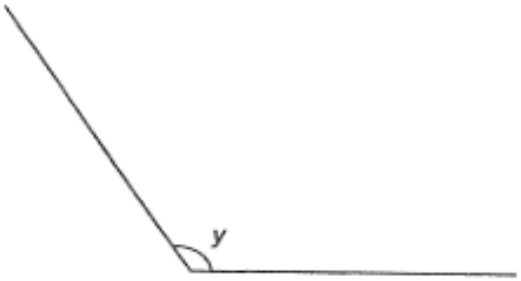
17. Write $\frac{46}{7}$ as a mixed number.

Ans: _____

18. 2811 + 579 = _____

Ans: _____

19. Measure and write down the size of $\angle y$.



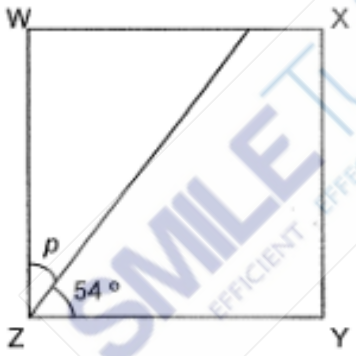
Ans: _____ °

20. What is the value of $\frac{5}{6} + \frac{1}{3}$?

Express your answer as a mixed number.

Ans: _____

21. WXYZ is a square. Find $\angle p$.



Ans: _____°

22. 9.31 – 5.46 = _____

Ans: _____

23. Which two of the fractions below are smaller than $\frac{1}{2}$?

$\frac{2}{11}$, $\frac{3}{10}$, $\frac{4}{8}$, $\frac{5}{7}$

Ans: _____ and _____

24. Express 0.7 as a fraction.

Ans: _____

25. Draw ∠PQR = 105° using the given line. Mark and label the angle.

P Q

26. Mrs Li is 37 years old. Her husband is 3 years older than her. Their son is 29 years younger than Mrs Li. What is their total age?

Ans: _____

27. 3 cupcakes cost $2.95. How much do 12 cupcakes cost?

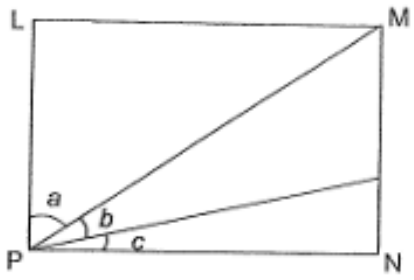
3 cupcakes for $2.95

Ans: $_____

28. Raju took 9 h 20 min to drive from Singapore to Kedah. He reached Kedah at 06 10. What time did Raju start driving from Singapore?
Express your answer in 24-hour clock.

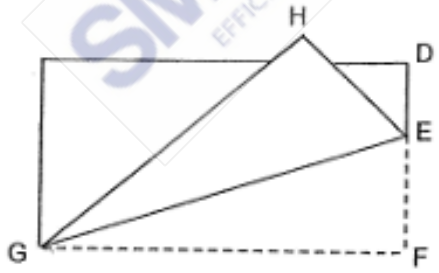
Ans: _____

29. LMNP is a rectangle. $\angle a$ is three times the size of $\angle b$. $\angle b$ is twice the size of $\angle c$. Find the value of $\angle a$.



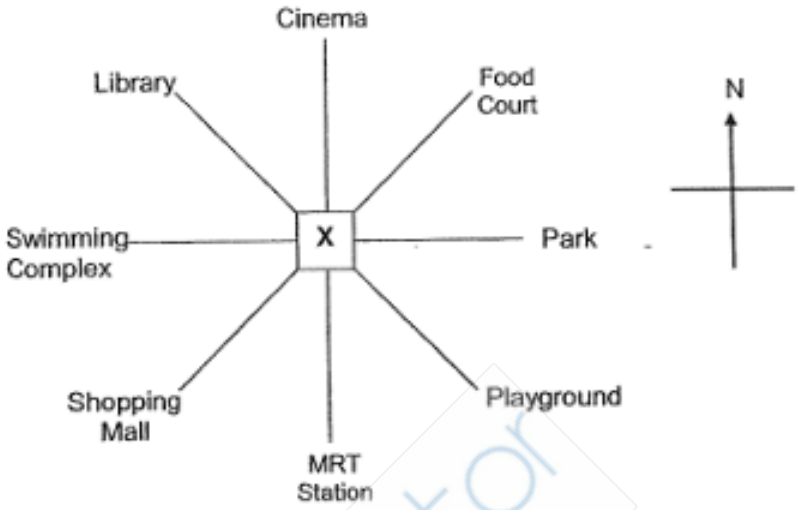
Ans: _____°

30. A rectangular piece of paper with an area of 108 cm² was folded as shown. DE is 3 cm and HE is 6 cm. Find the length of GH.



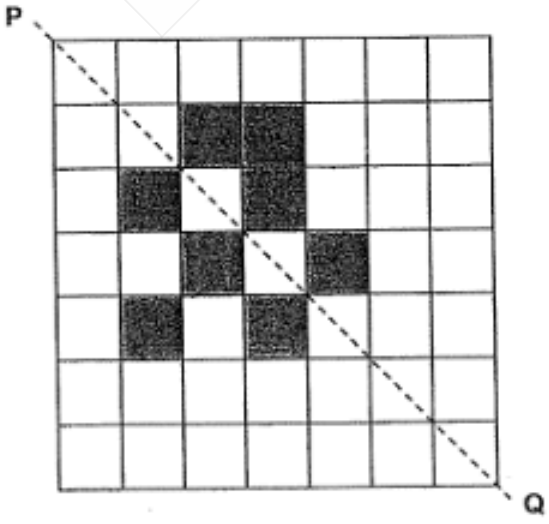
Ans: _____ cm

31. Bala is standing at point X facing the playground. He turns through an angle of 135° in the anti-clockwise direction. Where will Bala be facing after the turn?



Ans: _____

32. PQ is the line of symmetry. Shade only 2 more squares to make the figure symmetrical.



33. The table shows the number of siblings that the pupils in 5A have.

Number of siblings	Number of pupils in 5A
0	9
1	15
2	8
3	7
4	5

How many pupils have at least 2 siblings?

Ans: _____

34. Mrs Goh bought a dress and 2 skirts for $250. The dress cost $71.50 more than a skirt. How much was the cost of 1 skirt?

Ans: $_____

35. The lunch set meal at a restaurant allows customers to choose a set that consists of a main course, a soup and a drink. The main courses are pasta and chicken sandwich. The soups are mushroom soup and corn soup. The drinks are coffee, tea and orange juice. How many different combinations of lunch set meals are available for the customers to choose?

Ans: _____

SECTION C (35 marks)

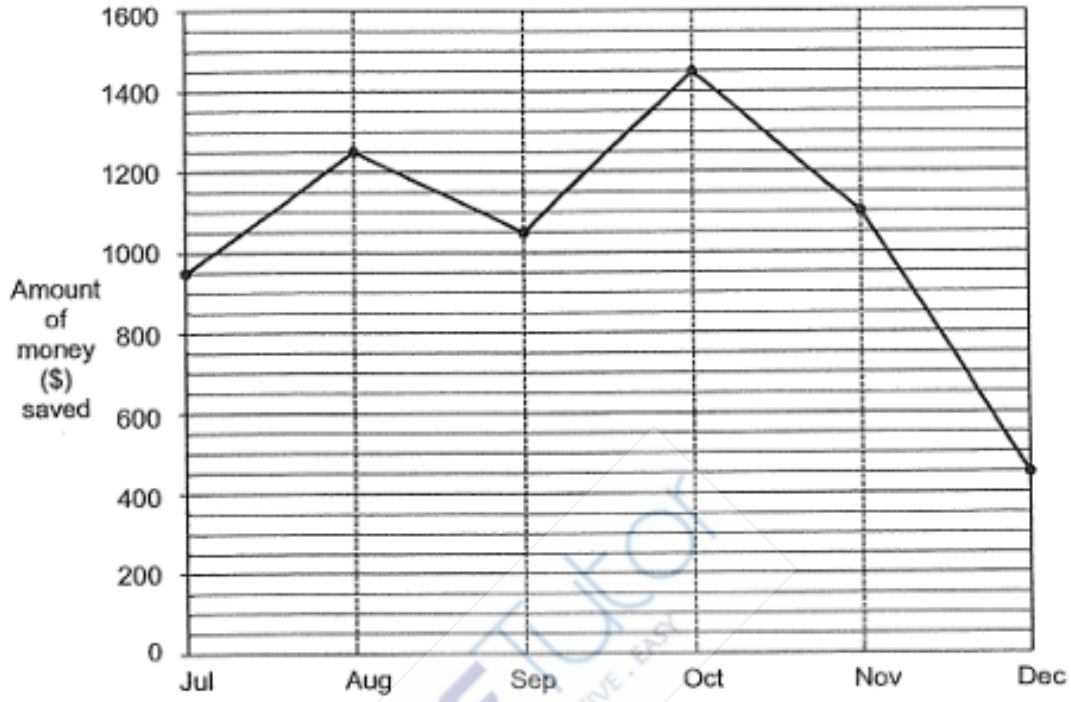
For questions 36 to 44, show your working clearly in the space provided below each question and write your answers with suitable units in the spaces provided. All diagrams are not drawn to scale. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

---

36. A pen cost $1.20 and a ruler cost $0.40. Sue bought 6 pens and 5 rulers. How much more did she pay for the pens than the rulers?

Ans: _____ [3]

37. The line graph shows the amount of money Dave saved each month.



(a) How many months did Dave save more than $1000?

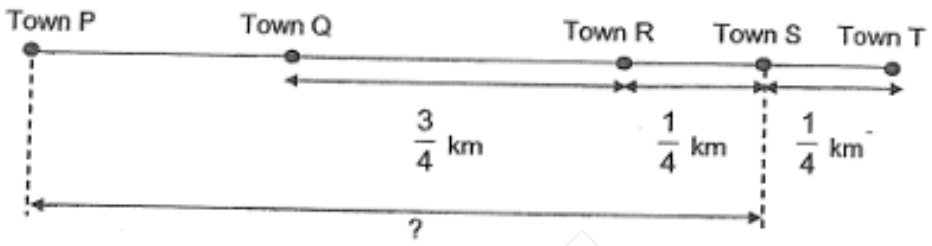
(b) How much did Dave save from October to December?

Ans: (a) _____ [1]

(b) _____ [2]

38. The figure shows the distances between Towns P, Q, R, S and T. The distance between Town P and Town Q is $\frac{1}{6}$ km shorter than distance between Town Q and Town R. What is the distance between Town P and Town S?

(Give your answer as a mixed number in its simplest form.)



Ans: _____ [3]

39. The journey from Rahman's house to Changi Airport by bus would take 1 h 50 min. The same journey by MRT would take 35 minutes shorter than by bus.

(a) What is the duration of the journey from Rahman's house to the Changi Airport by MRT?

(b) Rahman left his house and took the MRT at 22 50. He reached Changi Airport 2 h 55 min before his flight. What time is his flight?
Express your answer using the 24-hour clock.

Ans: (a) _____ [1]

(b) _____ [3]

40. The total mass of an empty box and 5 similar metal balls was 2.6 kg. The total mass of the same empty box and 3 similar metal balls was 2.34 kg.

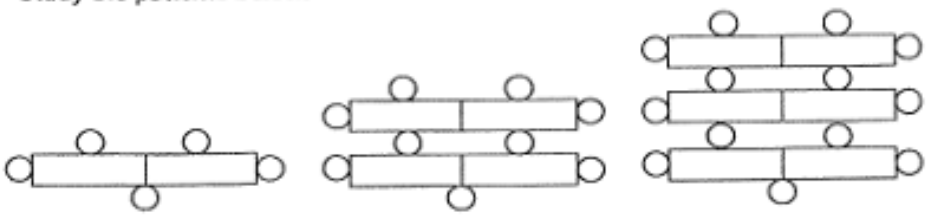
(a) What was the mass of 1 metal ball?

(b) What was the mass of the empty box?

Ans: (a) _____ [2]

(b) _____ [2]

41. Study the patterns below.



Pattern1 Pattern 2 Pattern 3

Pattern	Rectangles	Circles	Total Shapes
1	2	5	7
2	4	9	13
3	6	13	19
⋮	⋮	⋮	⋮

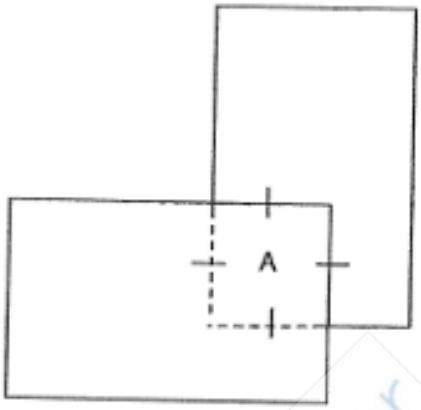
(a) What is the total number of rectangles in Pattern 8?

(b) If the pattern has a total of 133 shapes, how many circles does it have?

Ans: (a) _____ [1]

(b) _____ [3]

42. The figure is made up of two identical rectangles overlapping each other, forming Square A. The area of Square A is 9 cm^2 and the area of each rectangle is 50 cm^2. The length of the rectangle is twice its breadth. Find the perimeter of the figure.



Ans: _____ [4]

43. Mrs Lim baked 300 fruit tarts. $\frac{1}{2}$ of them were pineapple tarts, $\frac{2}{5}$ of them were strawberry tarts and the remaining were mango tarts.

a) How many mango tarts did she bake?

b) Mrs Lim sold the pineapple and strawberry tarts at 5 for $9. How much would Mrs Lim collect from her sale of all the pineapple and strawberry tarts?

Ans: (a) _____ [2]

(b) _____ [3]

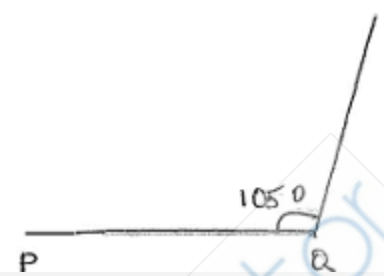
44. Siti had 604 more stamps than Tom. After Siti had given 902 stamps to Tom, he had 4 times as many stamps as her. How many stamps did Tom have at first?

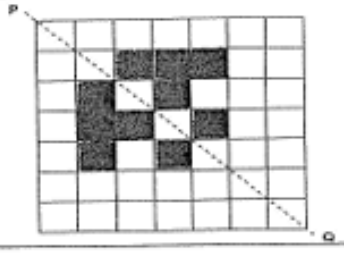
Ans: _____ [5]

- End of Paper -

ANSWER SHEET

Booklet A Q1	4
Booklet A Q2	1
Booklet A Q3	1
Booklet A Q4	3
Booklet A Q5	4
Booklet A Q6	4
Booklet A Q7	3
Booklet A Q8	C4
Booklet A Q9	1
Booklet A Q10	4
Booklet A Q11	2
Booklet A Q12	3
Booklet A Q13	3
Booklet A Q14	3
Booklet A Q15	4
Booklet B Q16	831, 813, 183, 138
Booklet B Q17	46/7 = 6 4/7
Booklet B Q18	3390
Booklet B Q19	126°
Booklet B Q20	⅓ = 2/6 ⅚ - 2/6 = 7/6 = 1 1/6

Booklet B Q21	90 - 54 = 36°
Booklet B Q22	3.85
Booklet B Q23	2/11 and 3/10
Booklet B Q24	7/10
Booklet B Q25	
Booklet B Q26	37 + 3 = 40 (Li's husband) 37 - 29 = 8 (Li's son) 37 + 40 + 8 = 37 + 48 = 85
Booklet B Q27	12 ÷ 3 = 4 2.95 x 4 = $11.80
Booklet B Q28	20 50
Booklet B Q29	90 ÷ 9 = 10 10 x 6 = 60°

Q30	6 + 3= 9 12 x 9 = 108 GF = GH Ans: 12cm
Q31	Cinema
Q32	
Q33	8 + 7 = 5 = 12 + 8 = 20
Q34	250 – 71.50 = 178.50 178.50 ÷ 3 = $59.50
Q35	MC : S : D 1. P : M : C 2. P : M : T 3. P : M : O 4. P : C : C 5. P : C : T 6 P : C : O 6 X 2 = 12 combination
Q36	pen : (6) 1.20 x 6 = 7.20 ruler : (5) 0.40 x 5 = 2.00 difference : 7.20 – 2.00 = $5.20
Q37	a) 4 b) 1450 + 110 + 450 = 1450 + 1550 = $3000
Q38	$\frac{1}{6} = \frac{4}{24}$ $\frac{3}{4} = \frac{18}{24}$ $\frac{18}{24} - \frac{4}{24} = \frac{14}{24}$ $\frac{14}{24} + \frac{18}{24} + \frac{6}{24} = \frac{14}{24} + \frac{24}{24}$ $= \frac{38}{24}$ $= 1\frac{7}{12}$ km
Q39	a) 50 – 35 = 15 b) 03 00
Q40	a) 1 mb : 0.26 ÷ 2 = 0.13kg b) 0.26 + 0.13 = 0.39 2.34 – 0.39 = 1.95kg

Q41	a) 8 x 2 = 16 b) 133 – 1 = 132 132 ÷ 6 = 22 sets of rectangle and 4 circles = 6 shapes 88 + 1 = 89
Q42	3 x 3 = 9 50 ÷ 2 = 25 5 x 5 = 10 10 x 2 = 20 10 – 3 = 7 10 + 10 + 7 + 7 + 2 + 5 + 5 = 48cm
Q43	a) 300 ÷ 2 = 150 300 ÷ 5 = 60 60 x 2 = 120 150 + 120 = 270 300 – 270 = 30 mango b) 5 + 4 = 9 1u : 30 9u : 30 x 9 = 270 270 ÷ 5 = 54 54 x 9 = $486
Q44	902 – 604 = 298 3u : 298 + 902 = 1200 1u : 1200 ÷ 3 = 400 400 + 298 = $698

RED SWASTIKA SCHOOL MYE PAPER

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 (1, 2, 3 or 4) on the Optical Answer Sheet.

(40 marks)

---

1 In which of the following numbers does the digit '7' have the greatest value?

(1) 20 751
(2) 47 609
(3) 60 857
(4) 82 973

2 79 508 = 70 000 + _____ + 500 + 8
What is the missing number?

(1) 9
(2) 90
(3) 900
(4) 9000

3 Which of the following are factors of 63?

(1) 6 and 7
(2) 4 and 9
(3) 3 and 21
(4) 5 and 21

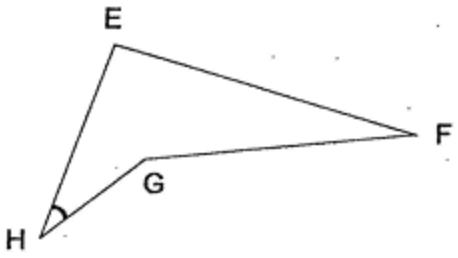
4 What is the quotient when 8096 is divided by 8?

(1) 112
(2) 1010
(3) 1012
(4) 1120

5 Which of the following when rounded off to the nearest thousand is 20 000?

(1) 19 499
(2) 19 932
(3) 20 504
(4) 20 987

6 Name the marked angle.



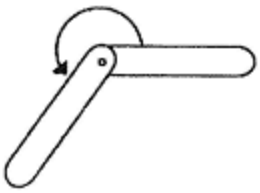
(1) ∠EFG
(2) ∠FGH
(3) ∠EHG
(4) ∠FEH

7 When you are facing north, what is the angle that you will turn through in a clockwise direction to face south-east?

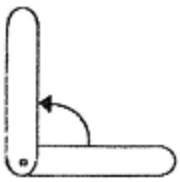
(1) 45°
(2) 90°
(3) 135°
(4) 180°

8 Look at each pair of angle strips below. Which pair of angle strips shows a turn between a $\frac{1}{2}$ - turn and a $\frac{3}{4}$ - turn?

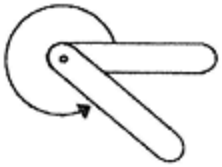
(1)



(2)

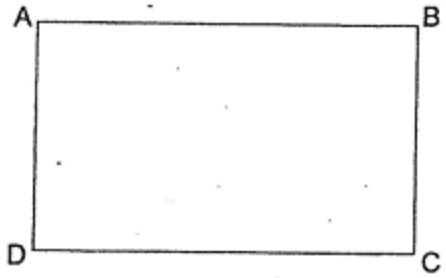


(3)



(4)

9 ABCD is a rectangle. Which of the following **incorrectly** describes the rectangle?



(1) It has four right angles.
(2) It has four equal sides.
(3) Its opposite sides are equal.
(4) It has two pairs of parallel lines.

10 The time shown on the clock is _____.

(1) 5 minutes to 10
(2) 5 minutes past 10
(3) 25 minutes to 11
(4) 25 minutes past 10

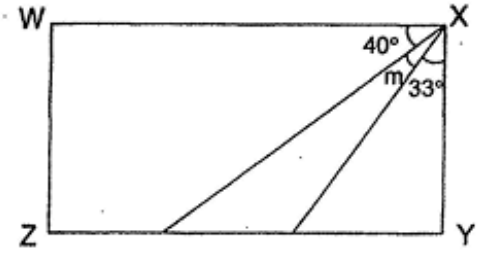
11 In 98 580, what is the difference between the two values of the digit '8'?

(1) 7200
(2) 7920
(3) 8000
(4) 8080

12 What is the sum of the first three multiples of 6?

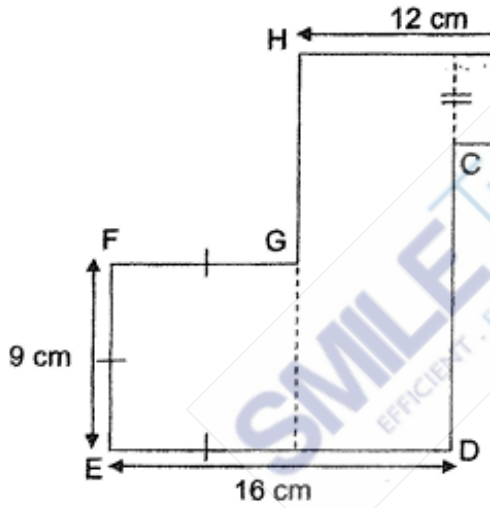
(1) 6
(2) 12
(3) 18
(4) 36

13 In the figure below, WXYZ is a rectangle. Find ∠m.



(1) 7°
(2) 17°
(3) 73°
(4) 107°

14 The diagram below is made up of 2 squares and 1 rectangle. Find the length of AB.

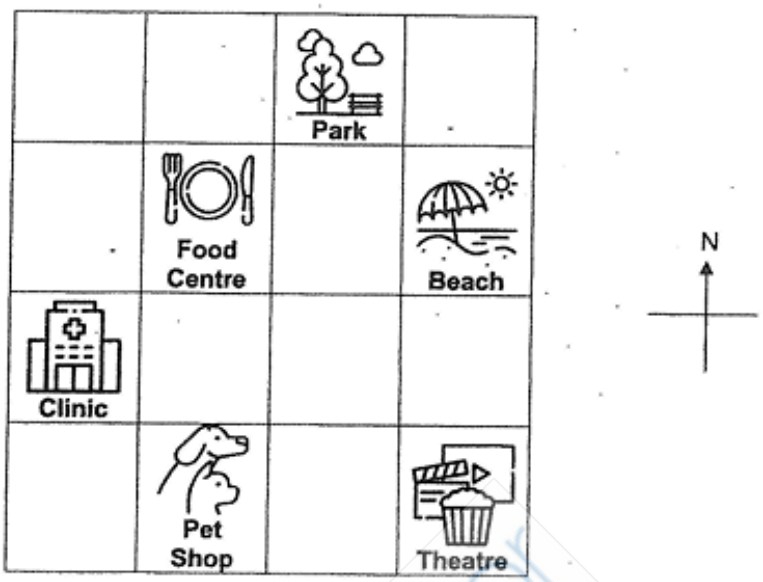


(1) 5 cm
(2) 7 cm
(3) 3 cm
(4) 4 cm

15 The figure is made of 7 small squares. What is the least number of small squares that must be added to make a larger square?

(1) 5
(2) 8
(3) 9
(4) 16

The square grid below shows some places in a neighbourhood.
Use the diagram to answer Questions 16 and 17.



16 In what direction is the pet shop from the beach?

(1) North-east
(2) North-west
(3) South-east
(4) South-west

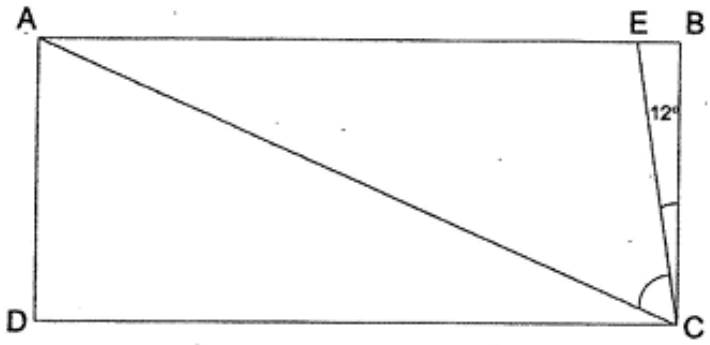
17 Cathy is at the food centre facing west. What will she be facing when she turns 225° in a clockwise direction?

(1) Beach
(2) Clinic
(3) Park
(4) Theatre

18 Amy and Bobby shared a box of chocolates equally between them. After Amy ate 26 pieces of her share and Bobby ate 10 of his, Bobby had three times as many chocolates left as Amy. How many chocolates did Amy have at first?

(1) 34
(2) 36
(3) 78
(4) 108

19 Figure ABCD is a rectangle. ∠BCE is 12°. ∠DCA is 3 times the size of ∠BCE. Find ∠ACE.



(1) 36°
(2) 42°
(3) 54°
(4) 78°

20 James ran on Monday, Tuesday, Wednesday and Thursday. Each day, he ran 150 m more than the day before. He ran a total of 4100 m for the four days. How far did he run on Monday?

(1) 800 m
(2) 875 m
(3) 900 m
(4) 1025 m

Questions 21 to 40 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.

(40 marks)

21 Write fifty-three thousand and twelve in numerals.

Ans: _____

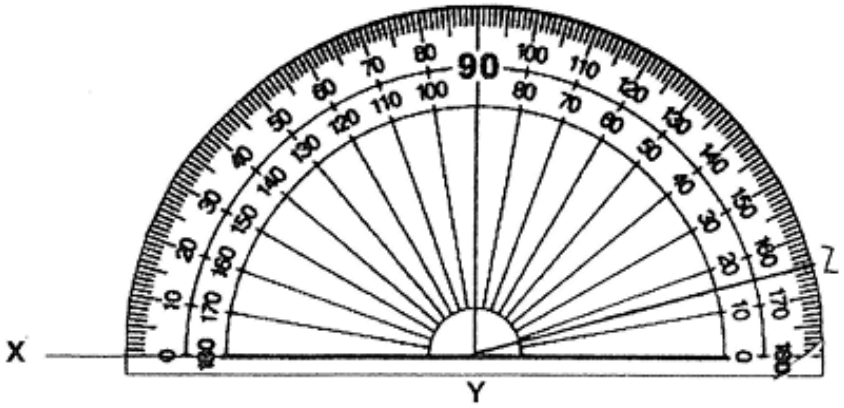
22 What is the product of 473 and 65?

Ans: _____

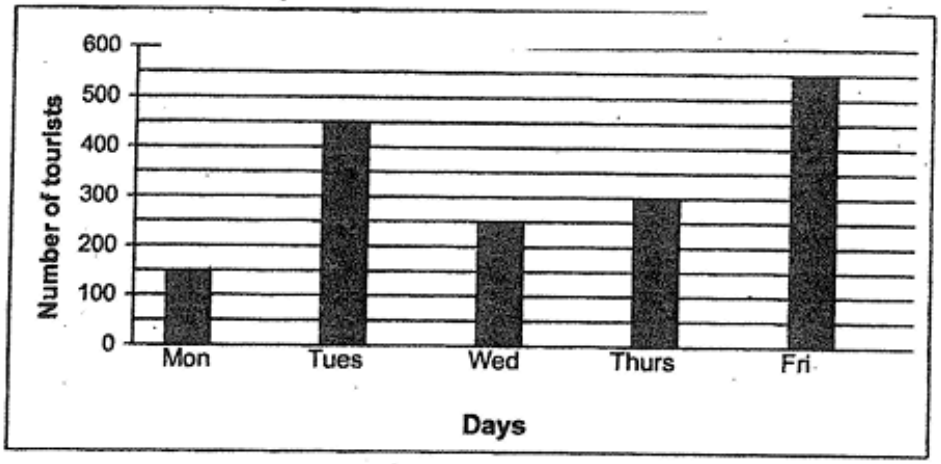
23 What is the angle of a $\frac{1}{2}$ - turn on a wheel?

Ans: _____ °

24 Use the given protractor and complete the drawing of ∠XYZ = 165° by labelling the point Z.



The bar graph below shows the number of tourists who visited the zoo from Monday to Friday.

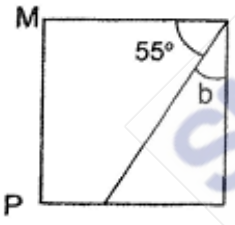


25 What was the total number of tourists who visited the zoo over the five days?

Ans: _____

---

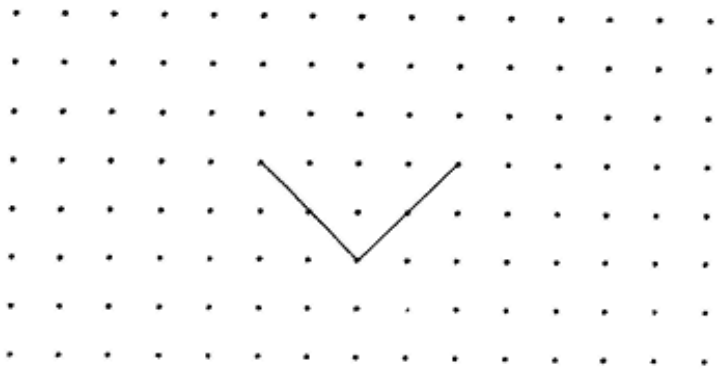
26 MNOP is a square. Find ∠b.



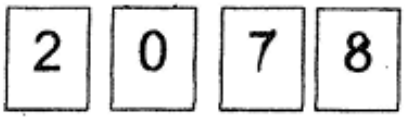
Ans: _____ °

---

27 Complete drawing a square with the given lines.



28 Four number cards are shown below. Arrange these number cards to form the greatest 4-digit odd number.



Ans: _____

---

29 Complete the number pattern.

65 621, 55 520, 45 419, _____ , 25 217, 15 116

Ans: _____

---

30 Mr Lee bought 5 identical chairs at $475. Mr Chua bought 8 such chairs from the same shop. How much did Mr Chua pay for the 8 chairs?

Ans: $_____

---

31 A number when rounded to the nearest hundred is 5000. What is the smallest possible number?

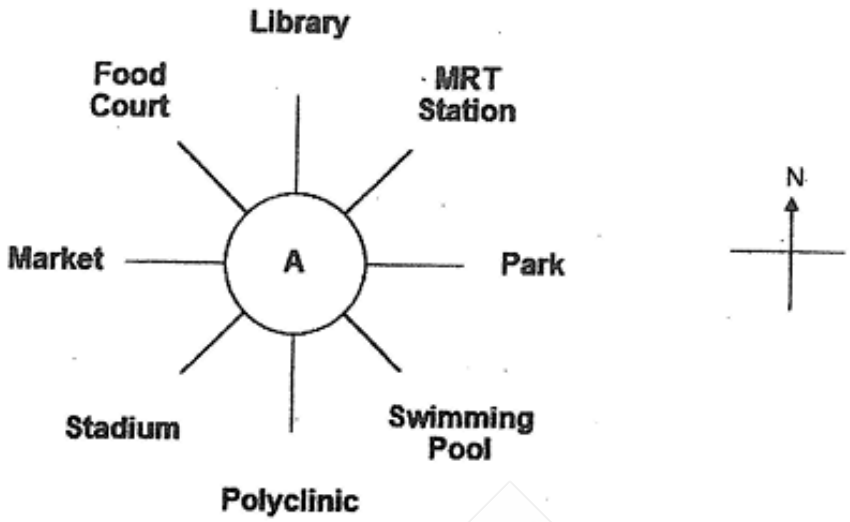
Ans: _____

---

32 A piece of rope was 2 m long and a small piece measuring 65 cm was cut from it. The remaining rope was cut into 5 equal pieces What is the length of each of the 5 pieces?

Ans: _____cm

Use the following diagram to answer Questions 33 to 35.



33 Eileen is standing at the point marked A in the diagram above. She is facing the Food Court. Where will she be facing when she makes a half-turn in a clockwise direction?

Ans: _____

---

34 Florence is standing at the point marked A in the diagram above. She is facing the Park. She turns in an anti-clockwise direction and then faces the Polyclinic. What angle has she turned?

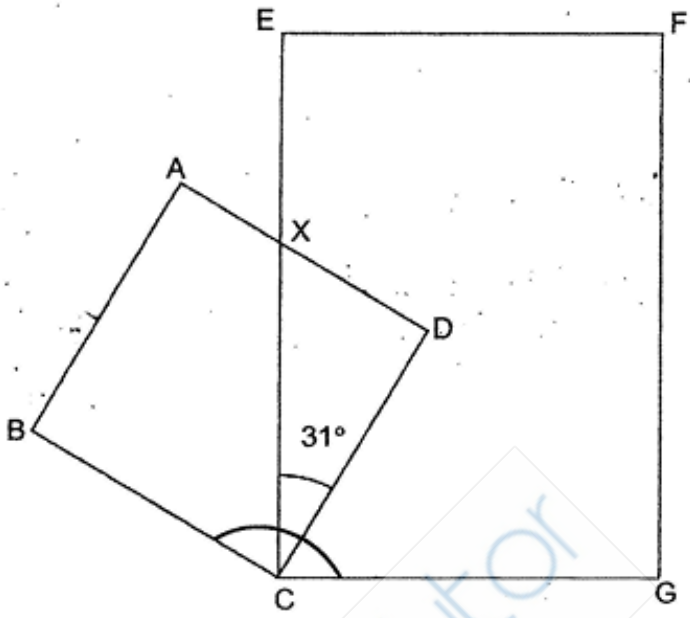
Ans: _____ °

---

35 Gary was standing at the point marked A in the diagram above. After making a $\frac{1}{4}$- turn in an anticlockwise direction, Gary found himself facing the Library. Where was he facing at first?

Ans: _____

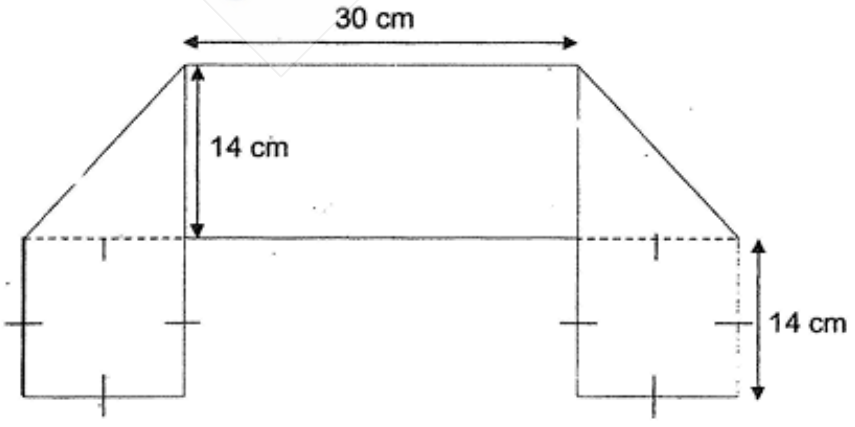
36 The figure below is made up of a square ABCD and a rectangle CEFG. ∠XCD is 31°. Find ∠BCG.



Ans: _____°

---

37 A rectangular piece of paper was folded on both ends to form the shape shown below. Given that the breadth of the rectangle was 14 cm, find the length of the rectangular piece of paper before it was folded?



Ans: _____cm

38 A packet of cookies cost $9.50. A box of ice-cream cost $4.85 more than a packet of cookies. Rachel bought a packet of cookies and a box of ice-cream. She paid the cashier $50. How much change did she receive?

Ans: $_____

---

39 The length of a rectangular room is 16 m. Its breadth is half its length. Find the perimeter of the rectangular room.

Ans: _____m

---

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

Ans: _____

Questions 41 to 45 carry 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. (20 marks)

---

41 Mr Pang bought 26 baskets of durians. Each basket contained 49 durians. He sold 147 durians. Then he packed the remaining durians equally into 7 crates. How many durians were there in each crate?

Ans: _____ [4]

---

42 3 ℓ of water was poured into 2 empty buckets. After pouring, Bucket A contained 90 mℓ more water than Bucket B. How much water was there in Bucket B? Give your answer in litres and millilitres.

Ans: _____ [4]

43 For every 2 marbles that Ivan buys, John buys 3 marbles more than him. They buy 294 marbles altogether. How many marbles does Ivan buy?

Ans: _____ [4]

---

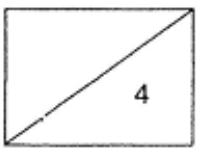
44 Alex, Bryan and Charles had some stickers. Alex and Bryan had a total of 7832 stickers. Charles and Alex had a total of 4342 stickers. Bryan had 3 times as many stickers as Charles. How many stickers did Alex have?

Ans: _____ [4]

45 The total mass of Jane, Kenny and Lisa is 178 kg. Kenny is 54 kg heavier than Lisa. Jane is twice as heavy as Lisa. Find Kenny's mass.

Ans: _____ [4]

End of Paper



ANSWER SHEET

Booklet A

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

Booklet B

Q21	Ans : 53 012	Q22	Ans : 30 745
Q23	Ans : 180	Q24	
Q25	300+250=550 550+550=1100 1100+450=1550 1550+150=1700 Ans : 1700	Q26	90-55=35 Ans : 35
Q27		Q28	Ans : 8207
Q29	Ans : 35318	Q30	475÷5=95 95×8=760 Ans : 760
Q31	Ans : 4950	Q32	100×2=200 200-65=135 135÷5=27 Ans : 27
Q33	Ans : Swimming pool	Q34	180+90=270 Ans : 270
Q35	Ans : Park	Q36	90-31=59 59×2=118

			118+31=149 Ans : 149
Q37	14+14=28 28×2=56 56+30=86 Ans : 86	Q38	9.5+4.85=14.35 9.5+14.35=23.85 50-23.85=26.15 Ans : 26.15
Q39	16÷2=8 16×2=32 8×2=16 16×3=48 Ans : 48	Q40	Ans : 44
Q41	26×49=1274 1274-147=1127 1127÷7=161 Ans : 161	Q42	3000-90=2910 2910÷2=1455 Ans : 1L 455ml
Q43	5+2=7 294÷7=42 42×2=84 Ans : 84	Q44	7832-4342=3490 3490÷2=1745 4342-1745=2597 Ans : 2597
Q45	178-54=124 124÷4=31 31+54=85 Ans : 85kg		

RED SWASTIKA SCHOOL EOY PAPER

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 (1, 2, 3 or 4) on the Optical Answer Sheet.

(40 marks)

---

1 The value of the digit 6 in 86 297 is _____.

(1) 60
(2) 600
(3) 6000
(4) 60 000

2 Which of the following numbers below when rounded to the nearest ten becomes 74 500?

(1) 74 444
(2) 74 498
(3) 74 509
(4) 74 552

3 How many one-fifths are there in 3 wholes?

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

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

(3) 5

(4) 15

4 Which of the following fractions is in its simplest form?

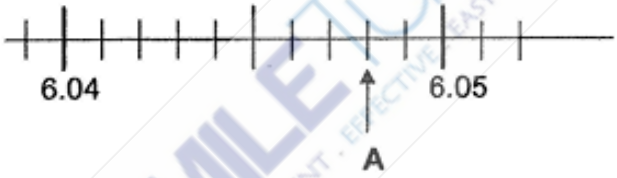
(1) $\frac{5}{8}$

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

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

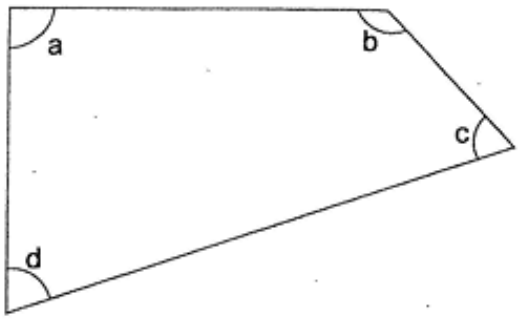
(4) $\frac{6}{10}$

5 Which of the following decimals is represented by letter A in the number line?



(1) 6.043
(2) 6.048
(3) 6.052
(4) 6.057

6 In the figure, which angle is a right angle?



(1) ∠a
(2) ∠b
(3) ∠c
(4) ∠d

7 7 is **not** a factor of _____.

(1) 14
(2) 35
(3) 49
(4) 72

8 The table below shows the duration of 4 animal shows at a theatre in the zoo.

Show	Duration of show
Animal Friends	50 min
Rainforest Fights Back	55 min
Safari Hunter	1 h 10 min
The World of Pets	1 h 15 min

Janice watched one of the shows which started at 11 50 and ended at 13 05. Which show did she watch?

(1) Animal Friends
(2) Rainforest Fights Back
(3) Safari Hunter
(4) The World of Pets

9 Mr Faiz had some stickers. He gave away $\frac{2}{3}$ of his stickers to 5 students and had 30 stickers left. How many stickers did each of his students receive?

(1) 18
(2) 12
(3) 9
(4) 4

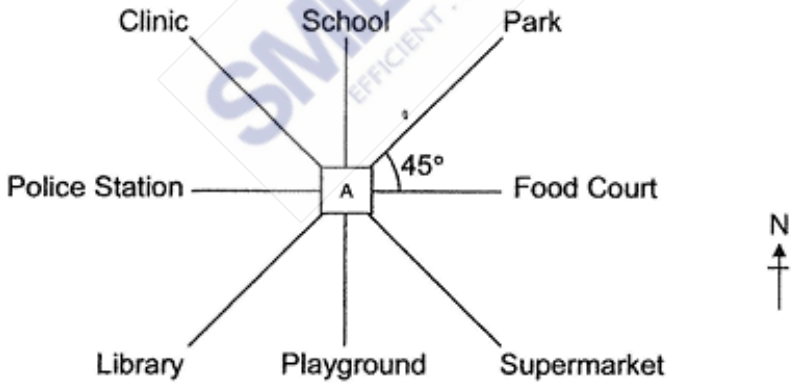
10 The table below shows the number of books borrowed by some students.

Number of books borrowed	0	1	2	3
Number of students	2	1	4	2

How many students borrow at least 2 books?

(1) 6
(2) 7
(3) 8
(4) 9

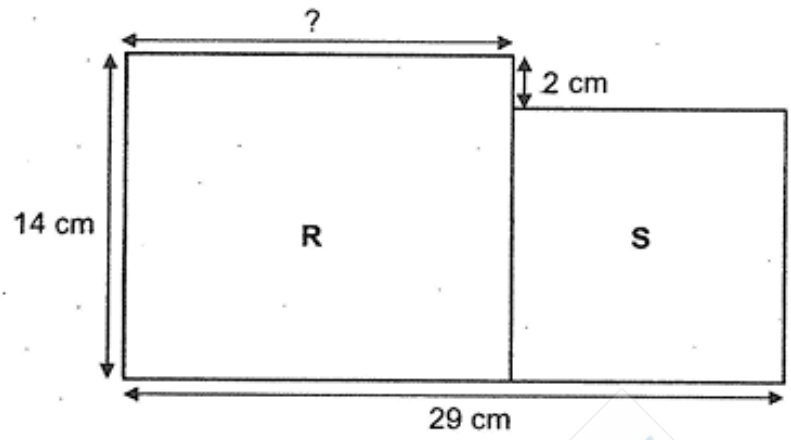
11 Tom is standing at point A and he is facing the library.



Tom turns through an angle of 135° in an anti-clockwise direction. Then, he makes a $\frac{1}{4}$-turn in a clockwise direction. Where will he be facing in the end?

(1) Food Court
(2) Police Station
(3) Playground
(4) School

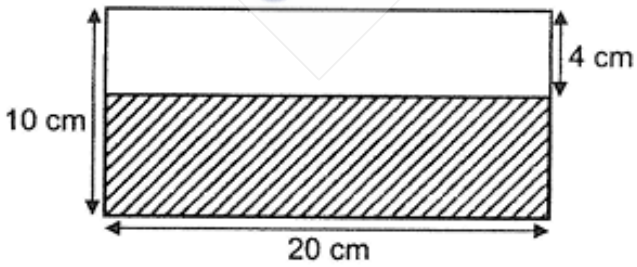
12 The figure below is made up of a rectangle R and a square S.
The breadth of rectangle R is 14 cm.



Find the length of rectangle R.

(1) 12 cm
(2) 13 cm
(3) 15 cm
(4) 17 cm

13 The figure below is made up of 2 rectangles.



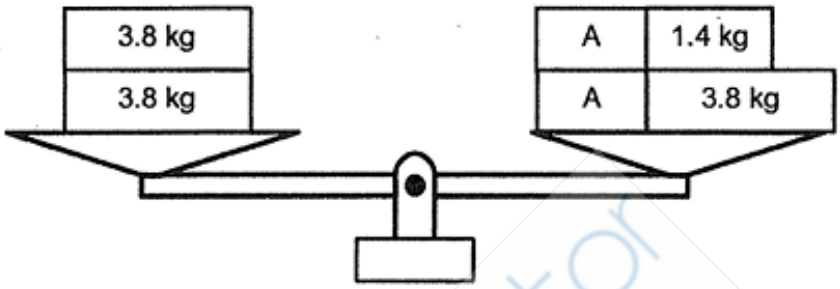
Find the area of the shaded rectangle.

(1) 40 cm^2
(2) 80 cm^2
(3) 120 cm^2
(4) 200 cm^2

14 Shamita is 1.5 m tall. She is taller than Ali by 0.03 m. How tall is Ali?

(1) 1.20 m
(2) 1.47 m
(3) 1.53 m
(4) 1.80 m

15 Miss Kim placed two identical boxes labelled A on the balance as shown. Find the mass of one of the boxes.



(1) 1.2 kg
(2) 2.4 kg
(3) 5.2 kg
(4) 7.6 kg

16 The information below shows the ingredients needed to make 2 jars of strawberry jam.

Ingredients needed to make 2 jars of strawberry jam
1.4 kg of strawberries
0.3 kg of sugar
2 lemons

Mrs Singh wanted to make 4 jars of strawberry jam. What is the least amount of strawberries she needs to buy?

(1) 5 kg
(2) 2 kg
(3) 3 kg
(4) 4 kg

17 The clock below is 10 minutes faster.

What is the actual time?

(1) 13 35
(2) 13 55
(3) 14 35
(4) 14 55

18 How many symmetric figure(s) is/are there below?

Figure A Figure B Figure C Figure D

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

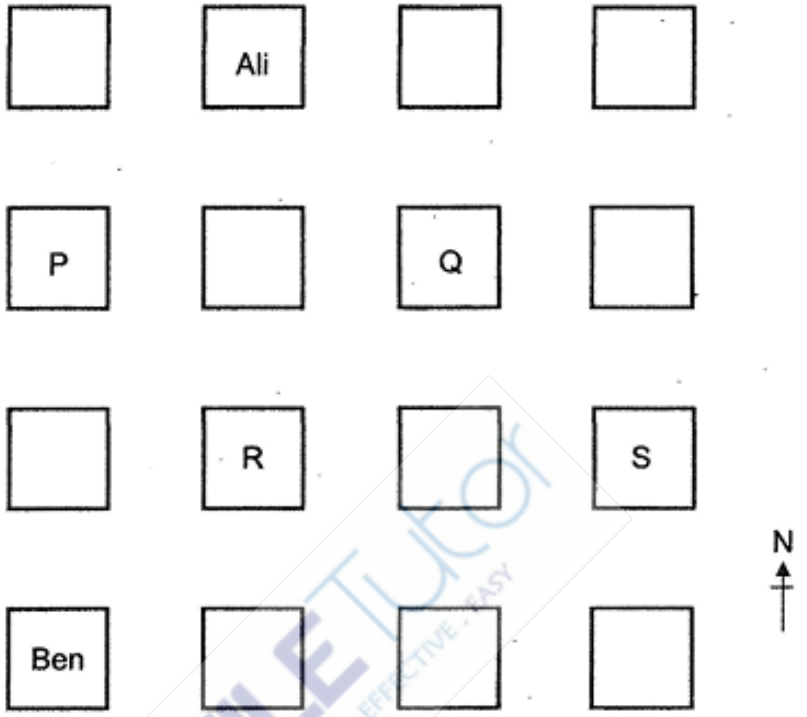
19 A repeated pattern is formed using the letters A, B, C and D. The first 12 letters are shown below.

A B C D A B C D A B C D ... ...
1st 12th

How many 'A's are there if there is a total of 42 letters in the pattern?

(1) 10
(2) 11
(3) 12
(4) 13

20 The picture below shows part of the seating plan of a classroom.



Ali is seated north-west of Claire while Claire is seated north-east of Ben.
Which letter represents Claire's seat?

(1) P
(2) Q
(3) R
(4) S

Questions 21 to 40 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.

(40 marks)

21 What number is 100 more than 9997?

Ans: _____

22 Find the product of 3028 and 4.

Ans: _____

23 What is the remainder when 5093 is divided by 9?

Ans: _____

24 Write $2\frac{1}{9}$ as an improper fraction.

Ans: _____

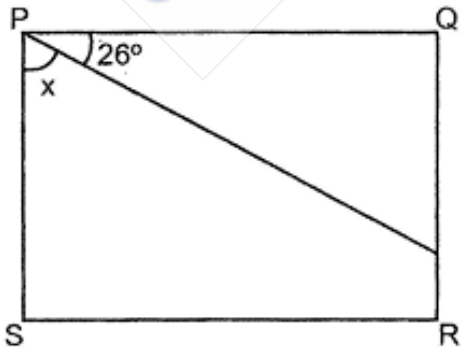
---

25 Find the value of $1 - \frac{1}{8} - \frac{1}{4}$.

Ans: _____

---

26 In the figure, PQRS is a rectangle. Find $\angle x$.



Ans: _____°

27 Write 8 thousandths as a decimal.

Ans: _____

---

28 8.64 – 3.95 = _____

Ans: _____

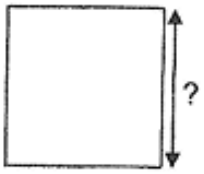
---

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

$\frac{4}{5}$, 0.804 , 0.084

Ans: _____ (smallest), _____, _____ (greatest)

30 The perimeter of a square is 36 cm. What is its length?



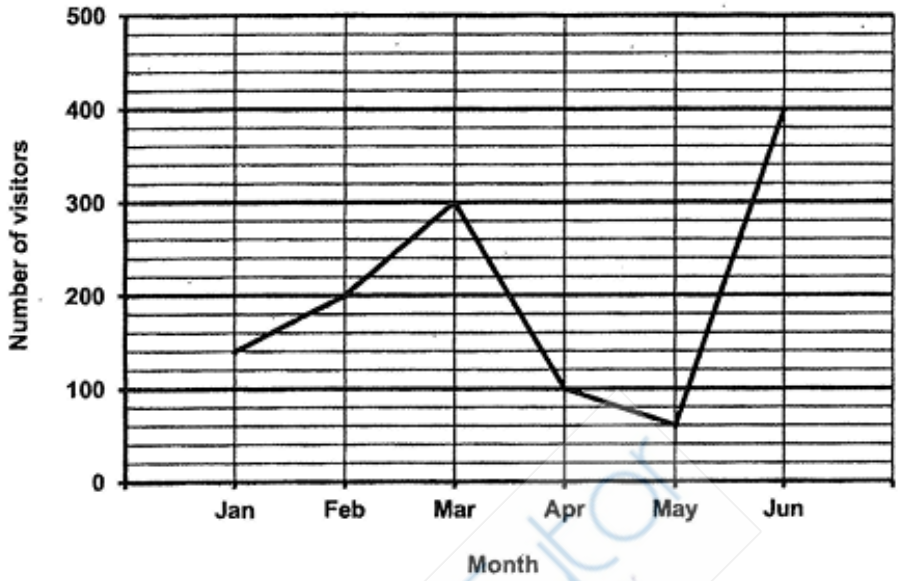
Ans: _____cm

---

31 Mrs Lee has some buttons. The number of buttons she has is more than 10 but fewer than 25. She can pack all the buttons into bags of 2 or 3 with no remainder. What is one possible number of buttons she has?

Ans: _____

The line graph below shows the number of visitors to the zoo in six months. Study the graph and use it to answer Questions 32 to 34.



32 How many visitors visited the zoo from January to March?

Ans: _____

---

33 Which one-month period shows the greatest decrease in the number of visitors?

Ans: _____ to _____

---

34 In which month was there half as many visitors as the month of June?

Ans: _____

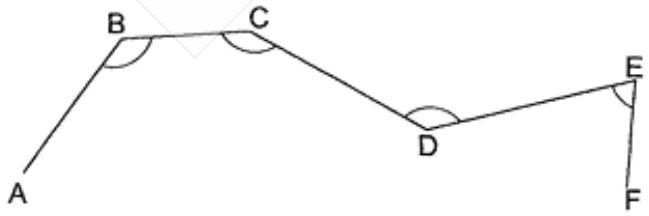
35 The table below shows part of the menu at a cafe.

Item	Small	Medium	Large
Drink	$0.80	$1.20	$1.70
Fried rice	$1.50	$1.80	$2.50
Spaghetti	$2.00	$2.60	$3.50

Mr Gan bought a drink, 1 small fried rice and 1 medium spaghetti. The total cost of all his items was $5.30. What was the size (small, medium or large) of the drink he bought?

Ans: _____

36 Peili drew five lines as shown below.



(a) Measure and write down the size of ∠ABC.

(b) Name an angle that is smaller than ∠ABC.

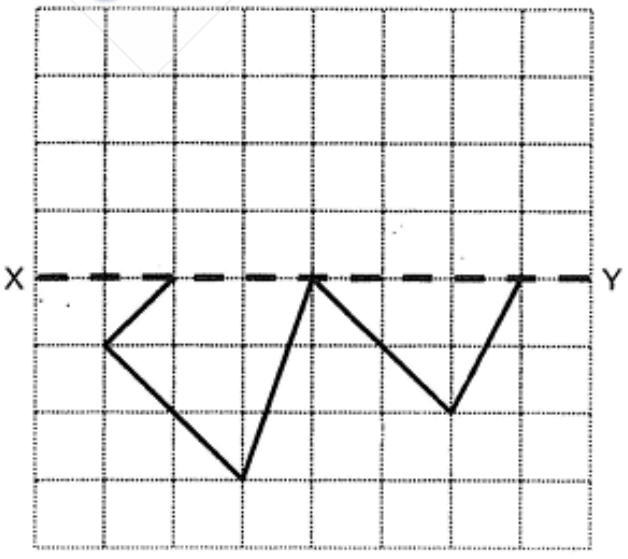
Ans: (a) _____°

(b) ∠_____

37 Rani needed 30 minutes to bake a cake. At 12.45 p.m., she had baked 3 such cakes. At what time did she start baking the first cake given that she baked one cake after another, without any break in between? Express your answer using the 12-hr clock.

Ans: _____

38 Complete the symmetric figure below with XY as the line of symmetry.



39 Figure 1 is a rectangle with length AB. Figure 2 is made up of four such rectangles. The perimeter of Figure 2 is 240 cm. Find the length of AB.

Figure 1

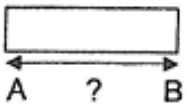
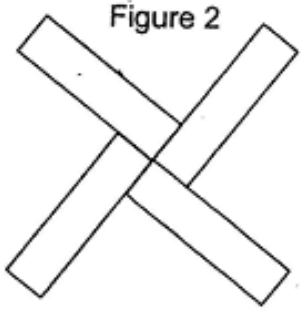


Figure 2



Ans: _____cm

---

40 Sarah and James went shopping together. Sarah wanted to buy a book but she was short of $15.60. James also wanted to buy the same book but he was short of $8.40.

Each statement below is either true, false or not possible to tell from the information given above.

For each statement, put a tick (√) in the correct column.

Statement	True	False	Not possible to tell
(a) Sarah had $7.20 more than James.			
(b) The book cost less than $10.			

Questions 41 to 45 carry 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided.

(20 marks)

---

41 Alice, Bala and Carin shared 850 cards. Bala had 30 more cards than Alice. Carin had 40 more cards than Bala.

(a) Who had the most number of cards?

(b) How many cards did Bala have?

Ans: (a)_____ [1]

(b)_____ [3]

42 Mr Kumar mixed 15 *l* of blue paint and 15.42 *l* of red paint to obtain purple paint. He then poured all the purple paint into a big container and a small container. The amount of paint poured into the big container was 5 times as much as that in the small container.

(a) How much purple paint did Mr Kumar have?

(b) How much purple paint did Mr Kumar pour into the small container?

Ans: (a)_____ [2]

(b)_____ [2]

43 At first, all the donuts in a bakery were placed on 20 trays with an equal number of donuts on each tray. 5 trays were removed and the donuts on these trays were distributed equally on the remaining 15 trays. In the end, the number of donuts on each remaining tray increased by 2.

(a) Find the total number of donuts on the 5 trays which were removed.

(b) Find the number of donuts on each tray at first.

Ans: (a)_____ [2]

(b)_____ [2]

44 Nurul had 280 red and blue marbles altogether. After Nurul gave away $\frac{1}{3}$ of her red marbles, the number of red marbles left was equal to the number of blue marbles she had.

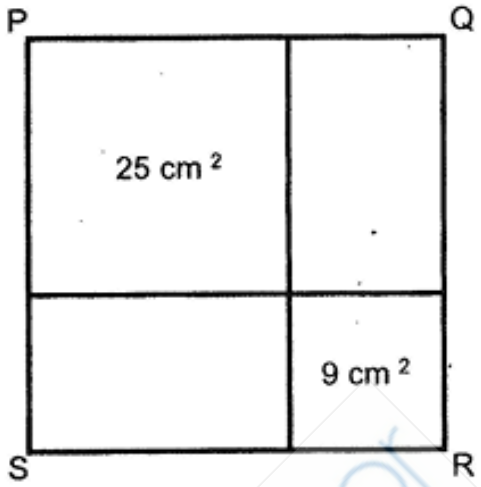
(a) What fraction of her red marbles had Nurul left?

(b) Find the difference in the number of red and blue marbles Nurul had at first.

Ans: (a)_____ [2]

(b)_____ [2]

45 The figure PQRS is formed by two different squares and two identical rectangles. The area of the big square is 25 cm^2 and the area of the small square is 9 cm^2.



(a) Find the area of one rectangle.

Ans: (a)_____ [3]

(b) Circle the words that describe PQRS correctly in the following statement.

PQ is (**shorter than / as long as / longer than**) QR

and PQRS (**is / is not**) a square.

[1]

ANSWER SHEET

Booklet A

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

Booklet B

Q21	9997+100=10097 Ans : 10097	Q22	3028 × 4=12 112 Ans : 12 112
Q23	5093÷9=565R8 Ans : 8	Q24	Ans : $\frac{19}{9}$
Q25	$1-\frac{2}{8}-\frac{1}{8}=\frac{5}{8}$ Ans : $\frac{5}{8}$	Q26	90-26=64 Ans : 64
Q27	Ans : 0.008	Q28	Ans : 4.69
Q29	Ans : 0.084, $\frac{4}{5}$, 0.804	Q30	36÷4=9 Ans : 9
Q31	Ans : 18	Q32	300+200=500 500+140=640 Ans : 640
Q33	Ans : March to April	Q34	400÷2=200 Ans : Febuary
Q35	1.50+2.60=4.10 5.30-4.10=1.20 Ans : Medium	Q36	Ans : (a) 129 (b) DEF
Q37	Ans : 11.15 a.m.	Q38	
Q39	240÷8=30 Ans : 30	Q40	Ans : (a) False (b) False
Q41	(b) 30+30+40=100	Q42	(a) 15+15.42=30.42

	850-100=250 750÷3=250 250+30=280 Ans : (a) Carin (b) 280		(b) 30.42÷6=5.07 Ans : (a) 30.42L (b) 5.07L
Q43	(a) 15×2=30 (b) 30÷5=6 Ans : (a) 30 (b) 6	Q44	(a) $1-\frac{1}{3}=\frac{2}{3}$ (b) $1+\frac{2}{3}=\frac{5}{3}$ 280÷5=56 Ans : (a) $\frac{2}{3}$ (b) 56
Q45	(a) 9÷3=3 25÷5=5 5×3=15 Ans : (a) $15cm^2$ (b) Circle : as long as, is		

ANGLO-CHINESE SCHOOL (JUNIOR) SA1 PAPER

Section A

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 (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (40 marks)

1. In 65 708, the value of the digit 7 is_____.

   1) 100
   2) 700
   3) 1000
   4) 7000

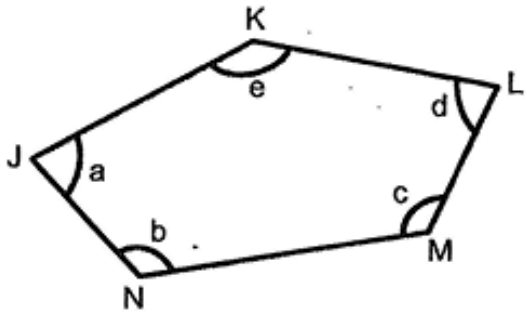
2. Which one of the following is not a factor of 36 and 48?

   1) 6
   2) 8
   3) 3
   4) 4

3. Tim bought 38 bags of cookies. There were 9 cookies in each bag.
   How many cookies did Tim buy?

   1) 29
   2) 47
   3) 272
   4) 342

4. Which one of the following is another way to name ∠b?



1) ∠N
2) ∠JNL
3) ∠KNL
4) ∠MNJ

5. Round 12 478 to the nearest ten.

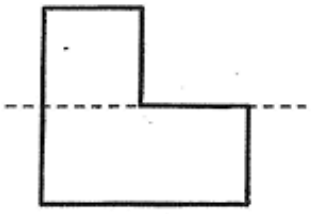
1) 12 400
2) 12 470
3) 12 480
4) 12 500

6. How many hours and minutes are there in 215 minutes?

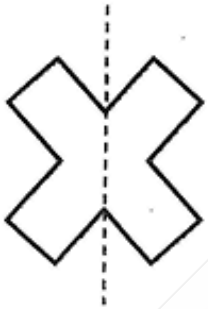
1) 1 h 55 min
2) 2 h 15 min
3) 3 h 35 min
4) 4 h 25 min

7. Which of the dotted lines below is a line of symmetry?

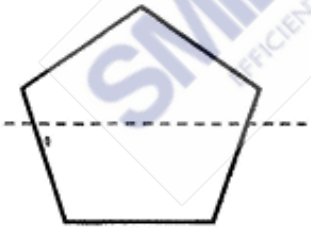
1)



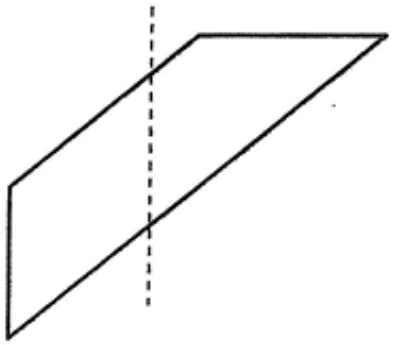
2)



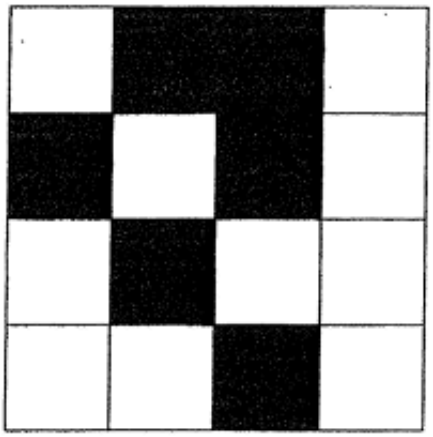
3)



4)



8. The figure below is made up of identical squares. What fraction of the figure is shaded?



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

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

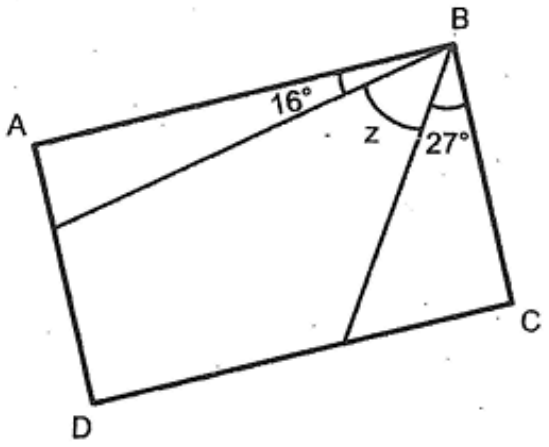
3) $\frac{3}{8}$

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

9. What is the difference between \$82 and \$11.25?

1) \$70.75
2) \$71.25
3) \$93.25
4) \$93.75

10. ABCD is a rectangle. Find ∠z.



1) 43°
2) 47°
3) 63°
4) 74°

11. What is the missing number in the number pattern below?

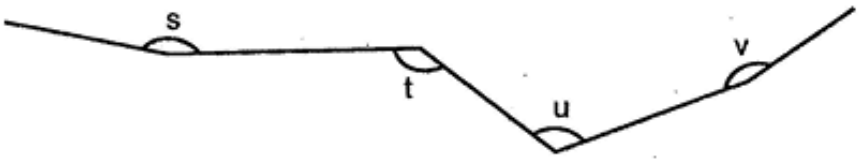
5235, 5030, 4825, _____, 4415, 4210

1) 4620
2) 4625
3) 4800
4) 4823

12. Which one of the following statements is **correct**?

1) 43 is a multiple of 6
2) 56 is a common multiple of 4 and 7
3) 27 is the first common multiple of 3 and 9
4) 16 and 40 are common multiples of 5 and 8

13. Which one of the following marked angles shows an angle of 122°?



1) ∠s
2) ∠t
3) ∠u
4) ∠v

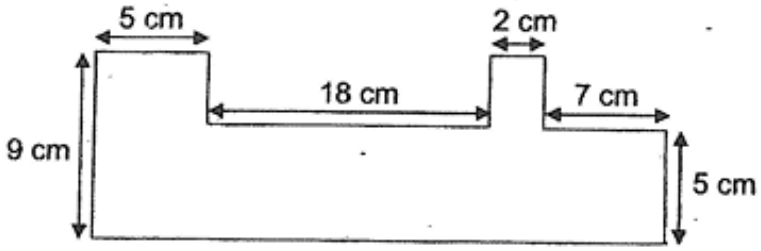
14. The table below shows the mass of books owned by four children.

Alisha's books	3 kg 79 g
Cath's books	3 kg 8 g
Elijah's books	3 kg 548 g
Jasmin's books	3509 g

Whose books are the heaviest?

1) Alisha
2) Cath
3) Elijah
4) Jasmin

15. What is the perimeter of the following figure?



1) 62 cm
2) 78 cm
3) 82 cm
4) 90 cm

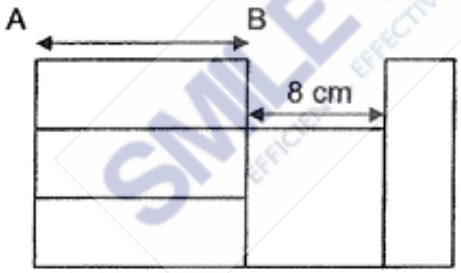
16. Kenny coloured $\frac{1}{3}$ of a picture. Aakash coloured $\frac{1}{12}$ of the same picture. What fraction of the picture did they colour altogether?

1) $\frac{1}{3}$
2) $\frac{1}{6}$
3) $\frac{5}{12}$
4) $\frac{2}{15}$

17. Jimmy left home at 5.35 p.m. for a concert at the concert hall. He took 1 h 35 min to reach the concert hall but was 15 min late for the concert. What time did the concert start?

1) 6.40 p.m.
2) 6.55 p.m.
3) 7.10 p.m.
4) 7.25 p.m.

18. The figure below is made up of four identical rectangles and a square. AB is the length of the rectangle. What is the length of AB?



1) 8 cm
2) 12 cm
3) 16 cm
4) 20 cm

19. A group of 78 children wants to take a ride together on the ferris wheel. Each cabin can carry at most 5 children. What is the least number of cabins needed for all the children to take the ride?

1) 16
2) 15
3) 14
4) 13

20. Alex did 38 push ups on the first day of his training. Each day he did 4 more push ups than the previous day. On the last day of his training, he did 74 push ups. How many days was his training?

1) 8
2) 9
3) 10
4) 11

Section B

Questions **21** to **40** carry 2 marks each. Show your working clearly and write your answers in the boxes provided. For questions which require units, give your answers in the units stated.

(40 marks)

---

21. Write fifty-nine thousand and twenty-five in numerals.

22. What are the common factors of 33 and 54?

23. Find the value of 853 x 47.

24. How many right angles make a $\frac{1}{2}$ - turn?

25. Arrange the numbers below from the greatest to the smallest.

67 023, 60 723, 67 032, 62 703

_____, _____, _____, _____
(greatest) (smallest)

26. The product of 7 and a number is 4396. What is the number?

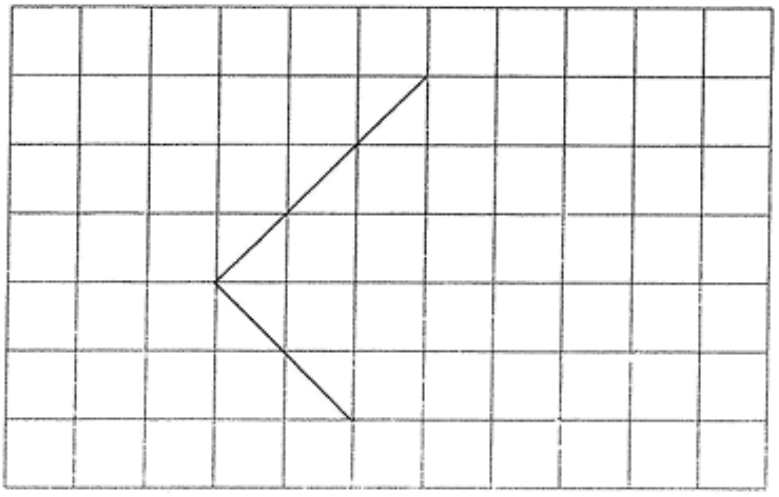
27. ? ÷ 6 = 1567 R3

What is the number?

28. Mr Lim spent $678 in January. The amount he spent in January is 3 times as much as he spent in February. How much did Mr Lim spend in February?

$

29. Draw a rectangle from the given lines.



30. Find the sum of all the factors of 12.

31. Use the digits 3, 4, 7, 8 to form the greatest 4-digit even number. What is the remainder when you divide this 4-digit even number by 5?

32. Mrs Chan had some red pens and 57 green pens. After she gave away 16 red pens and 4 green pens, she had 120 pens left. How many red pens did she have at first?

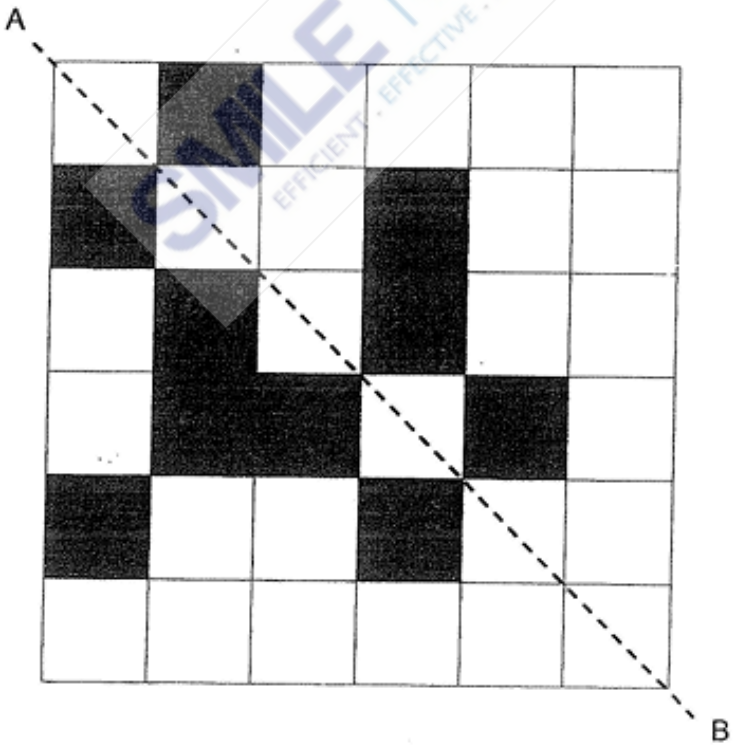
33. Arrange the fractions in order, beginning with the smallest.

$$\frac{3}{7} \quad , \quad \frac{5}{6} \quad , \quad \frac{4}{11}$$

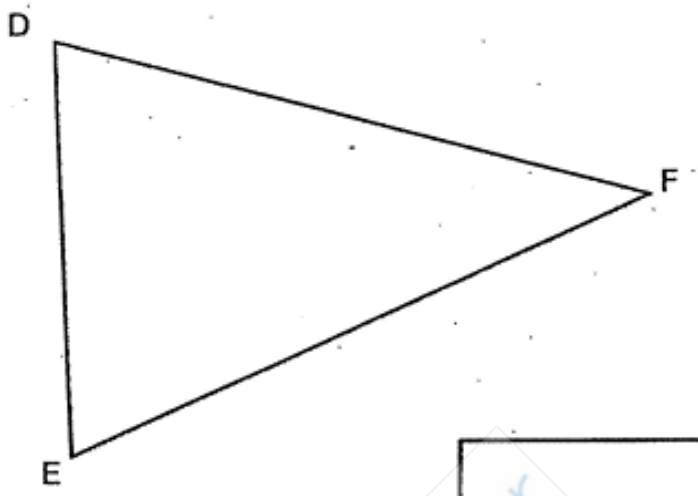
_____ , _____ , _____

Smallest

34. The dotted line in the figure below is a line of symmetry. Shade 2 squares to make a symmetric figure with AB as the line of symmetry.

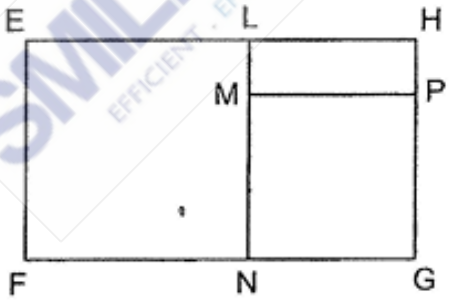


35. In the figure below, measure and write down the size of ∠DEF.



o

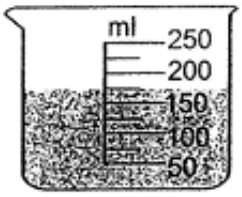
36. The figure is made up of a rectangle LMPH and 2 squares, EFNL and MNGP. The length of EH is 35 cm. The length of GP is 16 cm. Find the length of HP.



cm

37. Ravi is 16 years younger than Samuel now. In 5 years' time, Samuel will be twice of Ravi's age. How old is Ravi now?

38. The pictures below show an empty jug and a measuring cup. The measuring cup contains some orange juice.

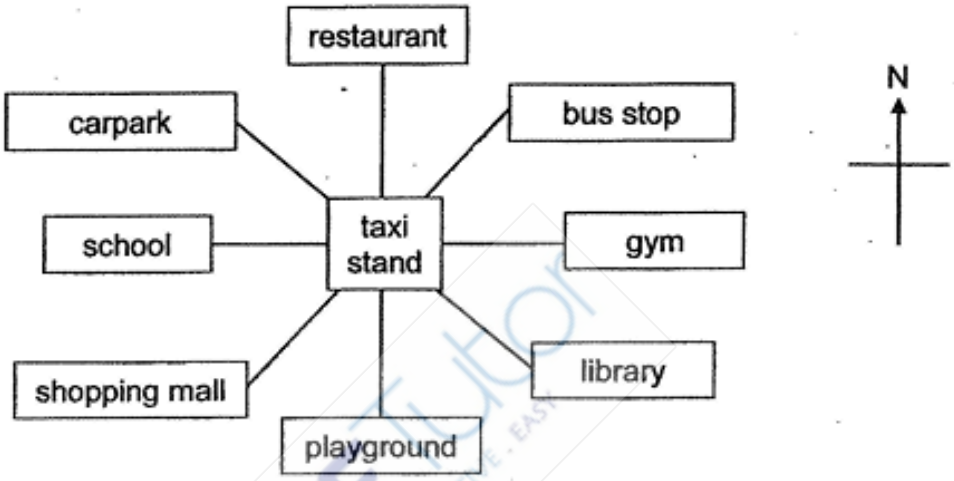


measuring cup

The jug has a capacity of 1225 ml. Aaron poured all the orange juice from the measuring cup into the empty jug. How much more orange juice did Aaron need to completely fill the jug? Give your answer in litres and millilitres.

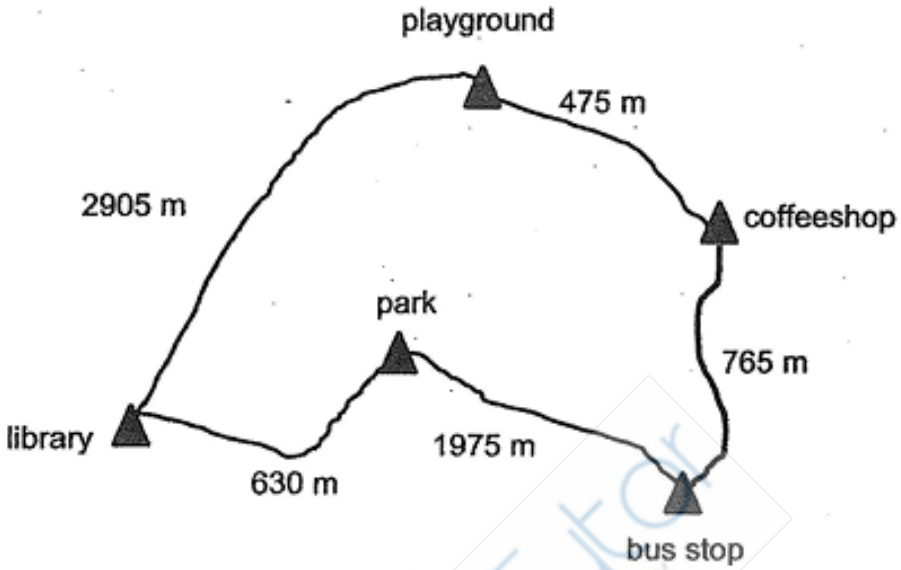
_____ ℓ _____ ml

39. Look at the diagram below and answer the question.



Roy is standing at the taxi stand facing the south-west direction at first. He makes a 225° anti-clockwise turn. Then, he makes a 45° clockwise turn. Where is Roy facing in the end?

40. Study the picture below.



Dylan wants to take the shortest route from the coffeeshop to the library.

How far does he have to walk?

m

Section C

For questions **41** to **45**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(20 marks)

---

41. There were 1984 red beads in a box. There were 80 more blue beads than red beads. All the beads were packed equally into 8 containers. How many beads were there in each container?

Ans: _____ [4]

42. Tony sold 55 chocolate and blueberry cupcakes. Each chocolate cupcake cost $4 and each blueberry cupcake cost $6. The total amount he collected from selling all the cupcakes was $290. How many blueberry cupcakes did he sell?

Ans: _____ [4]

43. Amy has $416. She has 4 times as much money as Ben. How much money must Amy give to Ben so that both of them have an equal amount of money?

Ans: _____ [4]

44. Mr Wee had 2 identical tanks and 6 identical buckets of water which can hold 526 litres of water in total. A tank can hold 59 more litres of water than a bucket. How much water can a bucket hold?

Ans: _____ [4]

45. James and Paul had an equal number of stickers at first. After James bought 108 stickers and Paul gave away 34 stickers, James had 3 times as many stickers as Paul. How many stickers did James have at first?

Ans: _____ [4]

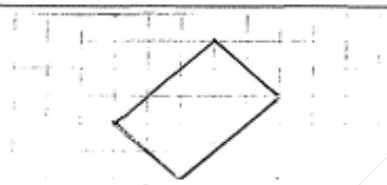
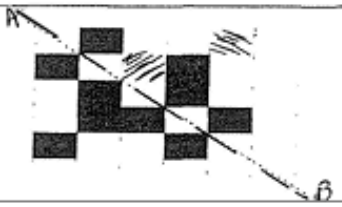
End of Booklet B

ANSWER SHEET

(BOOKLET A)

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

(BOOKLET B)

Q21	59, 025	Q22	1 and 3
Q23	40, 091	Q24	2
Q25	67 032, 67 023, 62 703, 60 723	Q26	628
Q27	9405	Q28	$226
Q29		Q30	12 = 1 x 12 2 x 6 3 x 4 5 + 5 = 10 10 + 18 = 28
Q31	4	Q32	120 + 20 = 140 140 – 57 = 83
Q33	$\frac{4}{11}, \frac{3}{7}, \frac{5}{6}$	Q34	
Q35	68°	Q36	35 – 16 = 19 19 – 16 = 3cm
Q37	16 – 5 = 11	Q38	1ℓ 50ml
Q39	Bus stop	Q40	475 + 2905 = 3370m
Q41	1984 + 80 = 2064 1984 + 2064 = 4048 4048 ÷ 8 = 506 There were 506 beads in each container.	Q42	Assume all are blueberry cupcake 6 x 55 = 330 6 – 4 = 2 330 – 290 = 40 40 ÷ 2 = 20 20 x 4 = 80 290 – 80 = 210 210 ÷ 6 = 35 He sold 35 blueberry cupcakes.

Q43	4u = 416 1u = 416 ÷ 4 = 104 Half 1u = 104 ÷ 2 = 52 1u = 104 1u + half u = 104 + 52 = $156	Q44	8u = 526 – 118 = 408 1u = 408 ÷ 8 = 51ℓ
Q45	2u = 108 + 34 = 142 1u = 142 ÷ 2 = 71 71 + 34 = 105		

ANGLO-CHINESE SCHOOL (PRIMARY) SA1 PAPER

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. Which one of the following numbers have the greatest value?

   (1) 83 714

   (2) 87 341

   (3) 87 431

   (4) 83 741

2. Which one of the following number when rounded off to the nearest hundred is 6000?

   (1) 6138

   (2) 6087

   (3) 5986

   (4) 5092

3. Which one of the following is **not** a common factor of 18 and 36?

   (1) 6

   (2) 18

   (3) 3

   (4) 36

4. $2\frac{3}{7} = \frac{\square}{7}$

What is the missing number in the box?

(1) 17

(2) 14

(3) 6

(4) 5

5. A sticker printer can print 7680 stickers in 6 hours. How many stickers can the printer print in 4 hours?

(1) 1280

(2) 1920

(3) 2560

(4) 5120

6. $\frac{5}{12} + \frac{1}{4} =$ _____

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

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

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

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

7. Which of the following is a multiple of both 4 and 6?

(1) 46

(2) 36

(3) 28

(4) 16

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

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

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

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

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

9. How many one-fifths are there in 6 wholes?

(1) 30

(2) 11

(3) 6

(4) 5

10. The area of the square carpet shown below is 36 m^2. What is the perimeter of the square carpet?

(1) 6 m

(2) 9 m

(3) 24 m

(4) 81 m

11. The perimeter of a rectangle is 108 cm. The length of the rectangle is 12 cm longer than its breadth. What is the breadth of the rectangle?

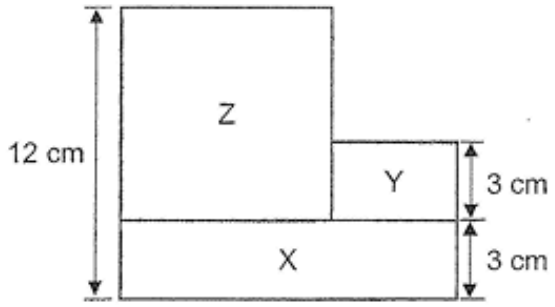
(1) 21 cm

(2) 24 cm

(3) 84 cm

(4) 96 cm

12. The figure below is made up of 2 rectangles, X and Y, and a square Z. Find the area of square Z.



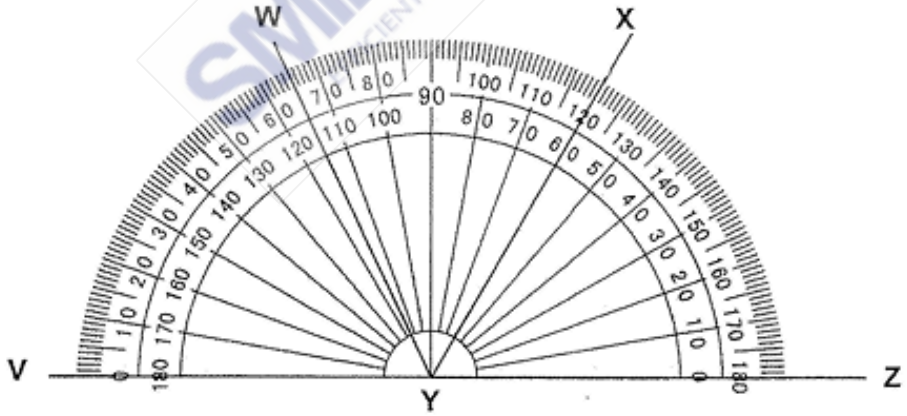
(1) 18 cm²

(2) 27 cm²

(3) 36 cm²

(4) 81 cm²

13. What is the size of ∠WYX in degree?



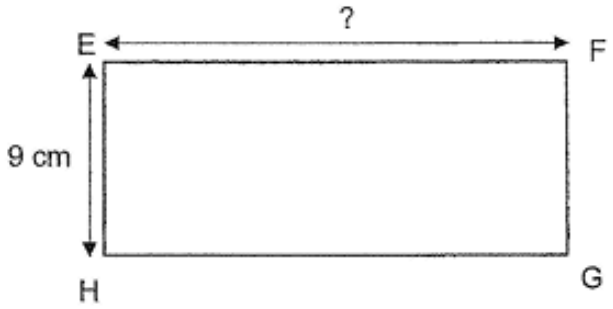
(1) 55°

(2) 65°

(3) 120°

(4) 180°

14. The perimeter of the rectangle EFGH is 56 cm. The breadth EH is 9 cm, find the length of EF.



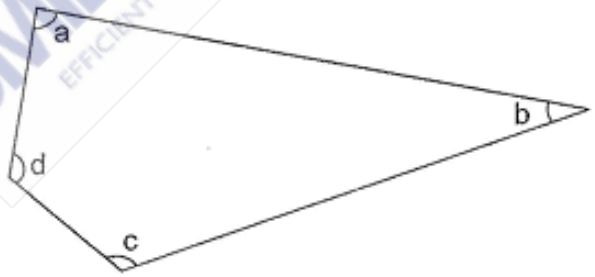
(1) 18 cm

(2) 19 cm

(3) 38 cm

(4) 47 cm

15. In the figure below, which angle/s is/are greater than a right angle?



(1) ∠b only

(2) ∠a and ∠d

(3) ∠c and ∠d

(4) ∠a, ∠c and ∠d

End of Booklet A

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. Write ninety-seven thousand and two in figures.

Ans: _____

17. Arrange the following numbers in ascending order.

2879, 2798, 2897, 2789

Ans: _____ , _____ , _____ , _____

18. Find the value of $3 - \frac{3}{8}$.

Ans: _____

19. The number, when divided by 9, has a quotient of 406 and a remainder of 4. What is the number?

Ans: _____

20. Write $\frac{17}{6}$ as a mixed number.

Ans: _____

21. I am a common multiple of 6 and 9. I am greater than 28 but lesser than 40. What number am I?

Ans: _____

22. Using a protractor, measure and write down the size of ∠a in the figure.

Answer : _____°

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

$$\frac{2}{5}, \frac{3}{8}, \frac{7}{10}$$

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

24. James bought 5 pencils and 2 markers for $27. 1 marker cost twice as much as a pencil. How much did a marker cost?

Ans: $ _____

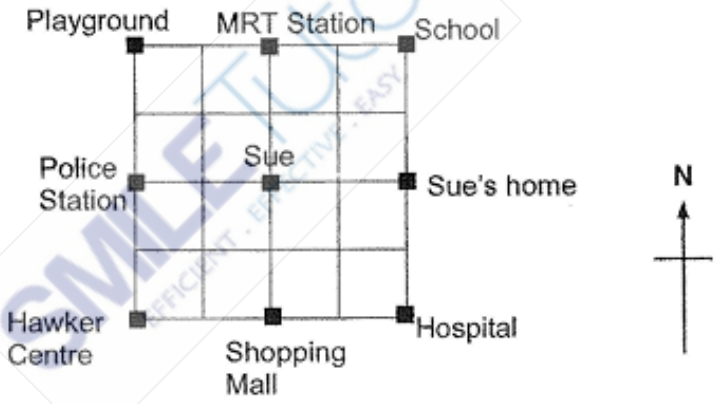
25. $4 + \frac{9}{10}$ is equivalent to _____ tenths.

Answer : _____

26. Benjamin bought 397 bags of marbles. Each bag contains 17 marbles. How many marbles does he have altogether?

Ans: _____

27. The map show some places around Sue's neighbourhood.



Complete the table

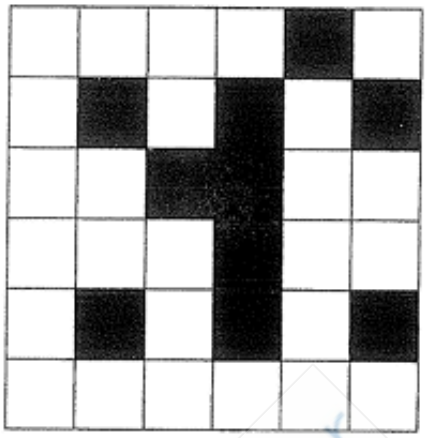
Sue is facing	If Sue turns	Sue will be facing
MRT Station	135^0 Clockwise	(a)
Hawker Centre	(b)	Playground

Answer : a) _____

b) _____

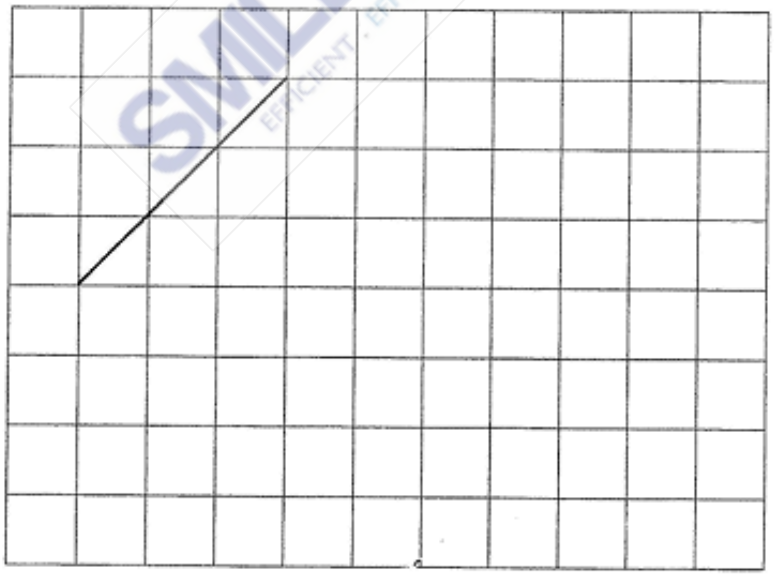
28. The figure below is made up of unit squares.

How many more squares must be shaded so that $\frac{3}{4}$ of the figure is shaded?



Answer : _____

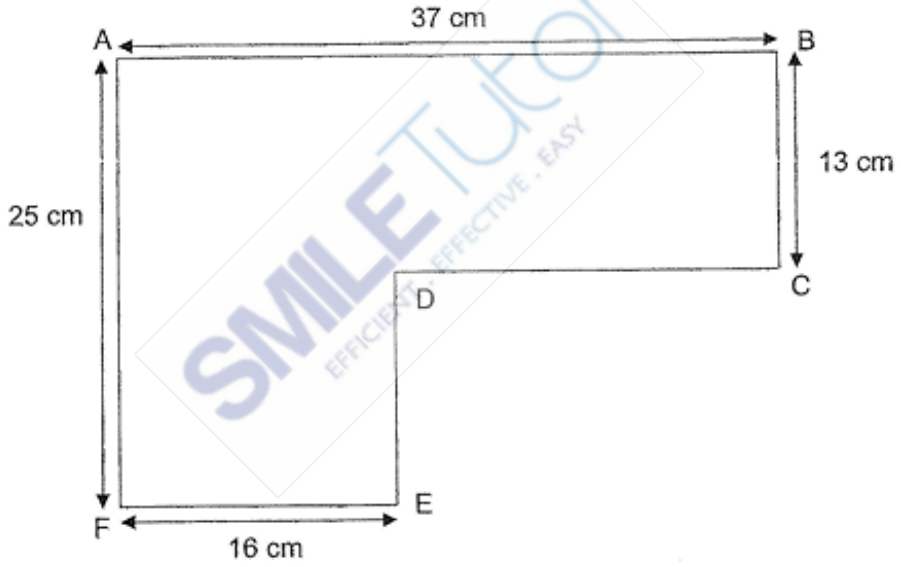
29. On the grid below, draw a square using the given line.



30. Two factors of 27 are 1 and 27. What are the other two factors of 27?

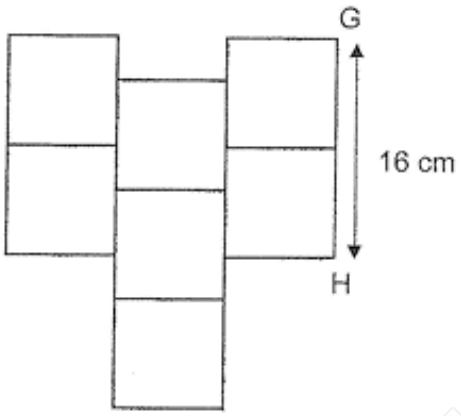
Ans: _____ and _____

31. Find the area of the figure shown below.



Ans: _____ cm^2

32. The figure below is made up of 7 identical squares. Given that GH is 16 cm, find the area of the figure.

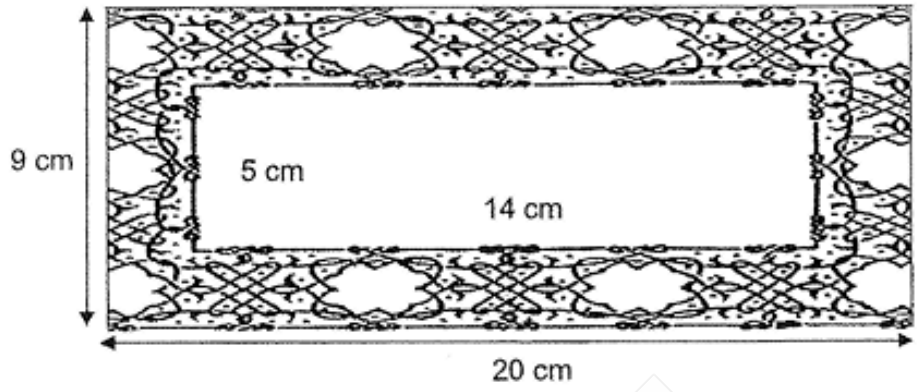


Ans: _____

33. $\frac{3}{8}$ of Elle's magnets is 24. How many magnets does she have?

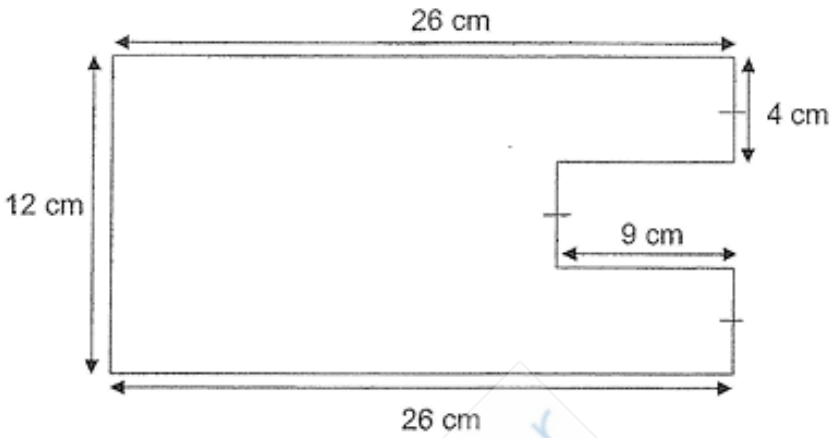
Answer : _____

34. A picture measuring 14 cm by 5 cm is mounted on a cardboard leaving some shaded border around it. Find the area of the shaded border.



Ans: _____ cm^2

35. Find the perimeter of the figure below.



Ans: _____ cm

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 [ ].

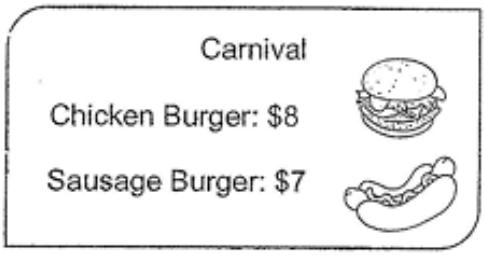
36. Mrs Ong has 2776 stamps. She kept 368 stamps for herself and gave away the rest to a group of friends. Each friend received 8 stamps. How many friends did she give the stamps?

Answer : _____ [3]

37. Charles walked $\frac{3}{4}$ km to reach his home. Steve walked $\frac{1}{3}$ km further to reach his home. What was the total distance both boys walked?
(Leave your answer as a fraction)

Answer : _____ [3]

38. During a carnival, John collected $4032 from the sale of chicken burgers and $6874 from sausage burgers. How many more sausage burgers than chicken burgers were sold?



Answer : _____ [4]

39. Peter and John had the same amount of money at first. After Peter spent $156 and John spent $12, John had 4 times as much as money left as Peter.
How much did John had at first?

Answer : _____ [4]

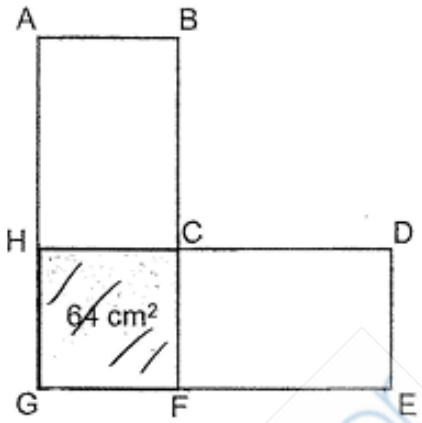
40. Mary had 374 pens and pencils. After she sold $\frac{1}{4}$ of the pens and 108 pencils, she had an equal number of pens and pencils left. How many pens did she have at first?

Answer : _____ [4]

41. Mrs Tan invited her friends to her party. Her friends either brought 2 or 3 children with them to the party. There were 12 more friends who brought 3 children than those who brought 2 children. The total number of children at the party was 91. How many of Mrs Tan's friends brought 3 children to the party?

Answer : _____ [4]

42. In the figure below rectangles ABFG and DEGH are identical. The area of each rectangle ABFG and DEGH is 176 cm^2 and the shaded square CFGH has an area of 64 cm^2. Find the perimeter of the rectangle DEGH.



Answer : _____ [4]

43. $\frac{1}{4}$ of the bottle is filled with orange juice. After Andrew refilled with 800 ml of orange juice, it became $\frac{7}{12}$ full. Find the capacity of the bottle in term of ml.

Answer : _____ [4]

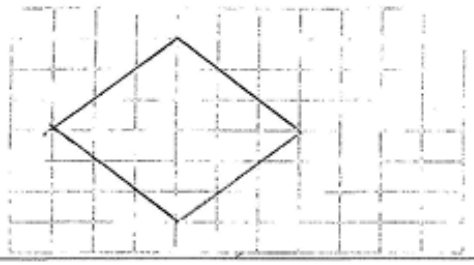
End – of – Paper

ANSWER SHEET

(BOOKLET A)

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

(BOOKLET B)

Q16	97 000 + 2 = 97 002
Q17	2789, 2798, 2879, 2897
Q18	$2\frac{5}{8}$
Q19	406 x 9 = 3654 3654 + 4 = 3658
Q20	$2\frac{5}{6}$
Q21	36
Q22	143°
Q23	$\frac{7}{10}, \frac{2}{5}, \frac{3}{8}$
Q24	27 ÷ 9 = 3 3 + 3 = 6
Q25	$4 = \frac{40}{10}$ $\frac{40}{10} + \frac{9}{10} = \frac{49}{10}$ $= 4\frac{9}{10}$ = 49
Q26	397 x 17 = 6749
Q27	a) Hospital b) 90° clockwise
Q28	6 x 6 = 36 $\frac{3}{4} = \frac{27}{30}$ 27 – 10 = 17
Q29	

Q30	3 and 9
Q31	37 x 25 = 925 37 – 10 = 21 25 – 13 = 12 21 x 12 = 252 925 – 252 = 673cm^2
Q32	16 ÷ 2 = 8 8 x 8 = 64 64 x 7 = 448cm^2
Q33	24 ÷ 328 8 x 8 = 64
Q34	20 x 9 = 180 14 x 5 = 70 180 – 70 = 110cm^2
Q35	26 + 26 = 52 12 + 12 = 24 52 + 24 = 76 9 + 9 = 18 76 + 18 = 94cm

SECTION C

Q36	**2776 – 368 = 2408** **2408 ÷ 8 = 301**	**Q37**	$\frac{3}{4}+\frac{3}{4}+\frac{1}{3}=\frac{9}{12}+\frac{9}{12}+\frac{4}{12}$ $=\frac{22}{12}$ $=1\frac{10}{12}$ $=1\frac{5}{6}$
Q38	**Number of chicken burger = 4032 ÷ 8 = 504** **Number of sausage burger = 6874 ÷ 7 = 982** **982 – 504 = 478**	**Q39**	**3u → 156 – 12 = 144** **1u → 144 ÷ 3 = 48** **John → 48 x 4 + 12** **= 192 + 12** **= $204**
Q40	**7u + 180 = 374** **7u → 374 – 108 = 266** **1u → 266 ÷ 7 = 38** **Pens = 38 x 4 = 152**	**Q41**	**23 x 3 = 69** **11 x 2 = 22** **Ans: 23**
Q42	**Area of CDEF = 176 – 64 = 112** **Breath of CDEF = 64 ÷ 8 = 8** **Length of CDEF = 112 ÷ 8 = 14** **Length of DEGH = 14 + 8 = 22** **Perimeter of DEGH = (22 + 8) x 2** **= 60cm**	**Q43**	**4u → 800** **1u → 800 ÷ 4 = 200** **Capacity of bottle** **=** **200 x 12 = 2400**

CATHOLIC HIGH SCHOOL MYE PAPER

Section A

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. All diagrams are not drawn to scale. (40 marks)

---

1. The value of the digit 2 in 36 205 is _____.

   (1) 20
   (2) 200
   (3) 2000
   (4) 20 000 ( )

---

2. 2 ten thousands + 5 tens + 8 ones = _____.
   What is the missing number?

   (1) 2058
   (2) 2580
   (3) 20 058
   (4) 20 508 ( )

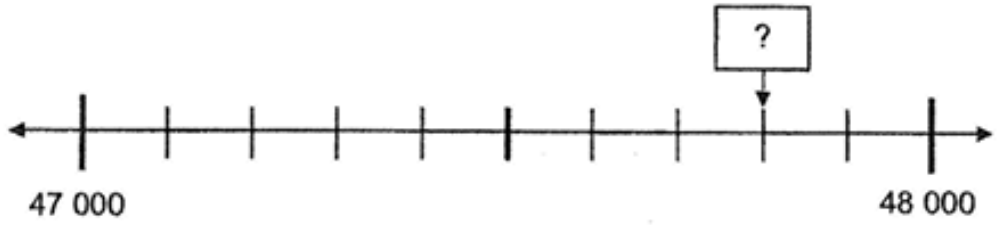
---

3. In the number 87 326, which digit is in the thousands place?

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

---

4. The number line below is marked at equal intervals.
What is the missing number indicated by the arrow on the number line?



(1) 47 008
(2) 47 080
(3) 47 800
(4) 48 002 ( )

---

5. Multiply 3804 by 9.

(1) 27 236
(2) 29 736
(3) 34 206
(4) 34 236 ( )

---

6. Which of the following is a factor of both 28 and 72?

(1) 6
(2) 8
(3) 3
(4) 4 ( )

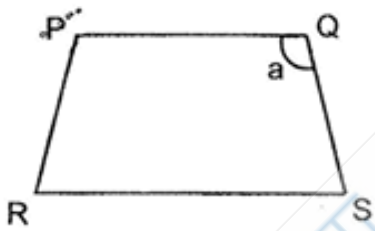
---

7. What is the remainder when 6509 is divided by 7?

(1) 6
(2) 2
(3) 929
(4) 935 ( )

---

8. Which of the following is another way to name ∠a?



(1) ∠RPQ
(2) ∠PQS
(3) ∠QSR
(4) ∠SRP ( )

---

9. A $\frac{3}{4}$ - turn is _____.

(1) 45°
(2) 90°
(3) 270°
(4) 360° ( )

---

10. Which of the following is a multiple of 4?

(1) 14

(2) 2

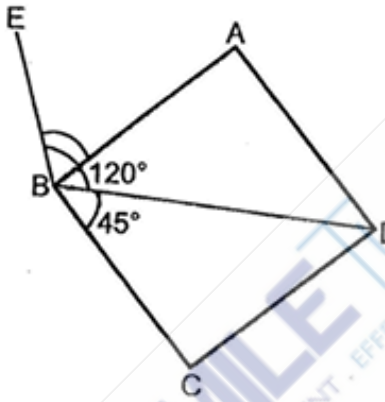
(3) 26

(4) 36

( )

---

11. In the figure below, ABCD is a square. ∠EBD is 120°. ∠DBC is 45°. Find ∠EBA.



(1) 45°

(2) 60°

(3) 75°

(4) 85°

( )

---

12. There are 145 rows of students in the parade square. Each row has 23 students. How many students are there altogether?

(1) 725

(2) 3335

(3) 4335

(4) 4655

( )

---

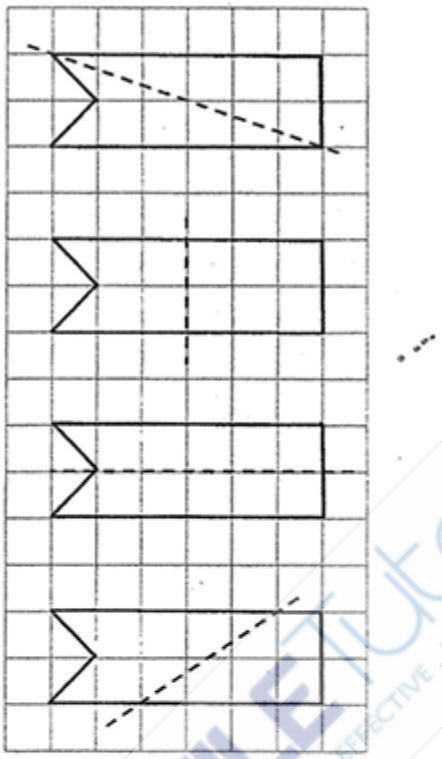
13. In the square grid below, which of the following dotted lines is the line of symmetry of the figure?

(1)

(2)

(3)

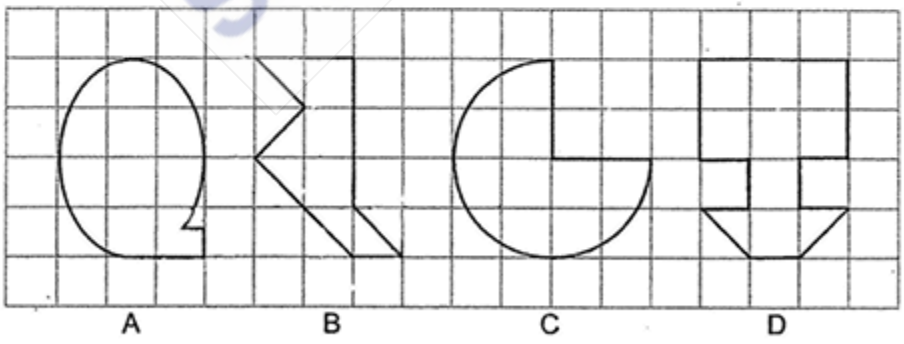
(4)



( )

---

14. In the square grid below, which of these following figures are symmetrical?



(1) A and B

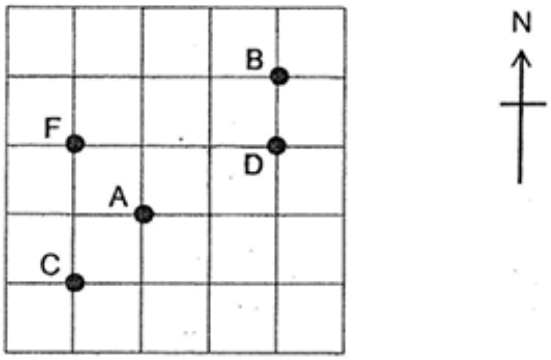
(2) A and C

(3) B and D

(4) C and D

( )

15. The following square grid shows the position of A, B, C, D and F.
Which letter is north-east of A?



(1) B
(2) C
(3) D
(4) F ( )

---

16. A factory produced 2470 bags. It produced 595 fewer caps than bags.
How many caps did the factory produce?

(1) 1875
(2) 1975
(3) 2965
(4) 3065 ( )

---

17. Mrs Ong wants to buy 5209 erasers. The erasers are sold in packets of 4.
What is the least number of packets of erasers she needs to buy?

(1) 132
(2) 133
(3) 1302
(4) 1303 ( )

18. Peter and James have a total of $7950. Peter has twice as much money as James. How much money must Peter give to James so that they will have the same amount of money?

(1) $1325

(2) $2650

(3) $3975

(4) $5300

( )

---

19. For every 5 cupcakes purchased, 1 additional cupcake will be given free. What is the least amount of money Mrs Lee pays for 20 cupcakes?

(1) $24

(2) $60

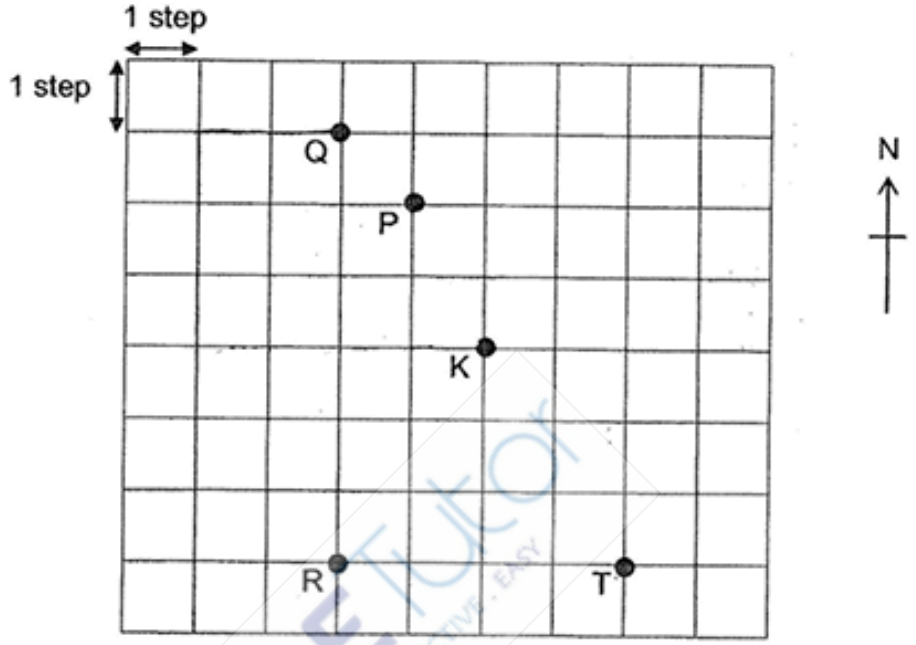
(3) $68

(4) $80

( )

---

20. Samantha was at one of the points shown in the grid below. Then she walked 2 steps to the west, 3 steps to the south and 4 steps to the east. She ended at Point K. Which point was she at at first?



(1) P

(2) Q

(3) R

(4) T

( )

END OF SECTION A

Section B

Questions **21** to **40** carry 2 marks each. Show your working clearly and 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. (40 marks)

Do not write in this space

21. Write thirty thousand, two hundred and one in numerals.

Ans: _____

22. What is the smallest 5-digit odd number that can be formed using the digits 8, 3, 5, 4 and 1? Each digit can only be used once.

Ans: _____

23. Write the missing number in the number pattern below.

21 140 , 21 040 , _____?_____ , 20 840 , 20 740 , 20 640

Ans: _____

24. Round 25 675 to the nearest hundred.

Do not write in this space

Ans: _____

25. When a number is divided by 3, it has a quotient of 253 and a remainder of 2. What is the number?

Ans: _____

26. Some of the factors of 32 are 1, 2, 8 and 32.
List down two other factors of 32.

Ans: _____ and _____

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

Do not write in this space

62 085 , 62 850 , 62 805

Ans: _____ , _____ , _____
(greatest) (smallest)

28. There was a total of 20 motorcycles and cars in a carpark. The vehicles had a total of 50 wheels.

motorcycle

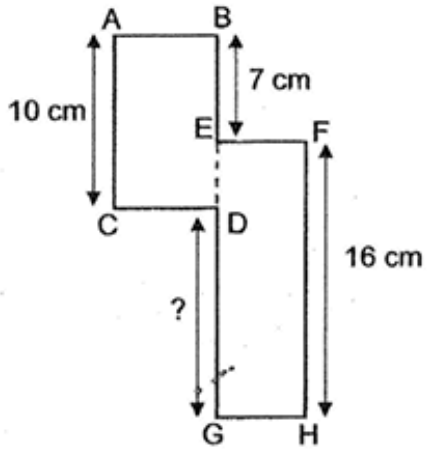
car

The statement below is true, false or not possible to tell from the information given. For the statement, put a tick (√) in the correct column.

Statement	True	False	Not possible to tell
There was an equal number of motorcycles and cars in the carpark.			

29. The figure below is made up of two rectangles. Find the length of DG.

Do not write in this space



Ans: _____ cm

30. A number is between 10 and 35. It is a common multiple of 3 and 5. One of its factors is 6. What is the number?

Ans: _____

31. Amanda paid a total of $1620 for 2 air purifiers and 3 fans. Each air purifier cost thrice as much as a fan. How much did each fan cost?

Do not write in this space

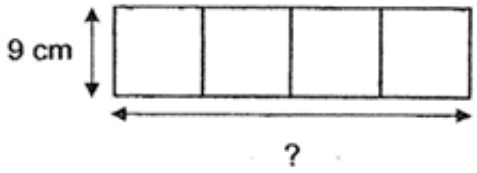
Ans: $ _____

32. Decorative lights, A and B, turn red at a shopping mall. Decorative light A turns red every 2 minutes and decorative light B turns red every 3 minutes after they are switched on. Both lights are switched on at 8 p.m. and switched off at 8.35 p.m. How many times will both decorative lights A and B turn red at the same time?

Ans: _____

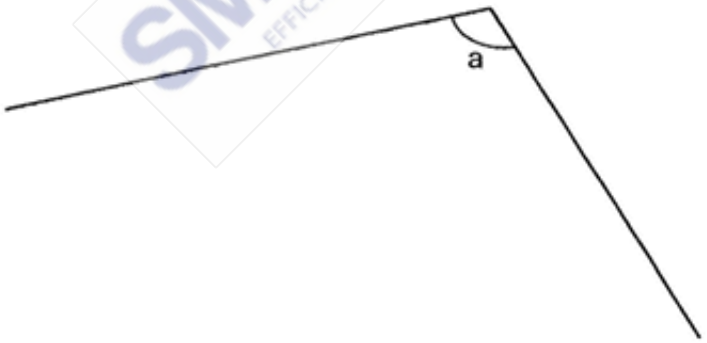
33. The figure below is made of 4 identical squares. Find the length of the figure.

Do not write in this space



Ans: _____ cm

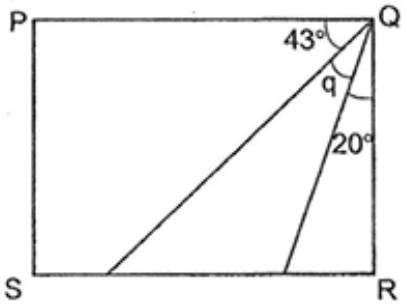
34. Measure and write down the size of ∠a.



Ans: _____ °

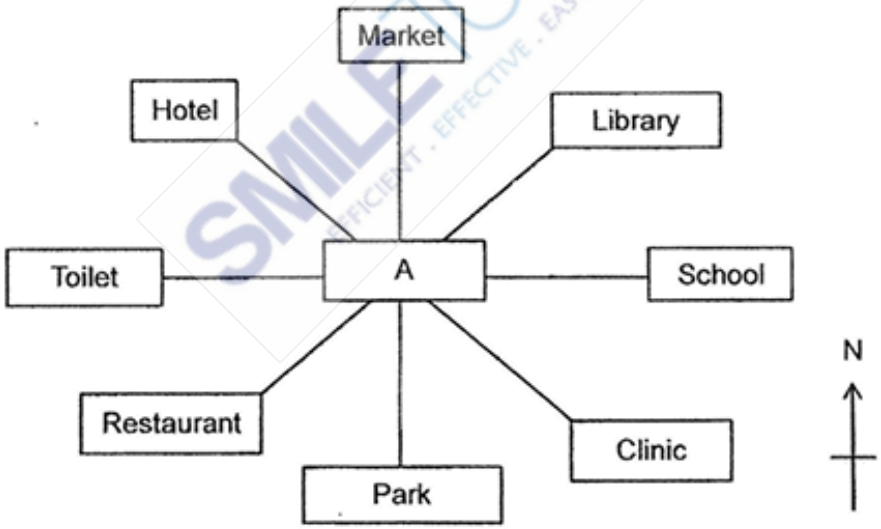
35. In the figure below, PQRS is a rectangle. Find ∠q.

Do not write in this space



Ans: _____ °

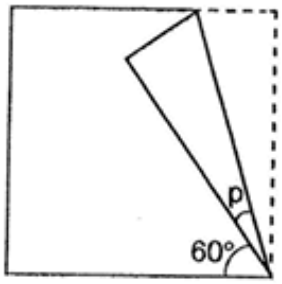
36. Look at the 8-point compass below. David was standing at point A. When David turned 225° in an anti-clockwise direction, he then faced the hotel. Where was he facing at first?



Ans: _____

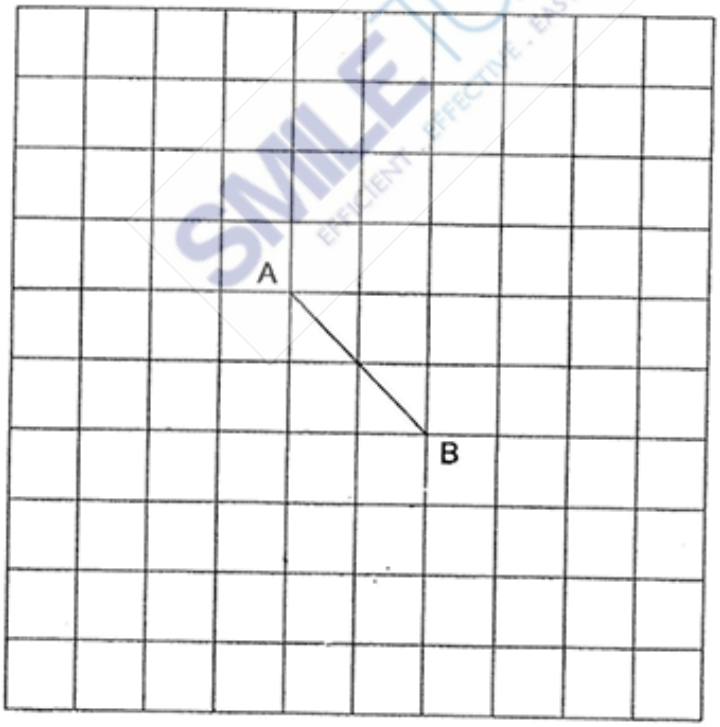
37. The figure below is a square paper folded at one of its corner. Find ∠p.

Do not write in this space



Ans: _____°

38. In the square grid below, AB is one side of a square.
Draw a square with AB as one side of the square.

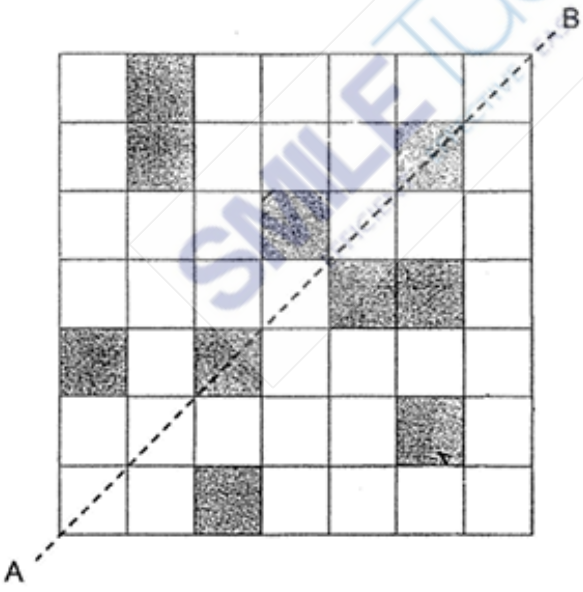


39. There was an equal number of boys and girls in a classroom. After 15 boys left the classroom and 10 girls entered the classroom, there were 20 boys in the classroom in the end. How many children were there in the classroom in the end?

Do not write in this space

Ans: _____

40. In the figure below, line AB is a line of symmetry.
Shade 2 unit squares to make the figure symmetrical.



Total marks for questions 21 to 40

END OF SECTION B

40

Section C

For Questions **41** to **45**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. All diagrams are not drawn to scale.

(20 marks)

Do not write in this space

41. Janet had 680 more stickers than Kayla. After Kayla used 78 stickers, Janet had thrice as many stickers as Kayla. How many stickers did Kayla have at first?

Ans: _____ [4]

42. Laurence had 3700 marbles. He gave 300 marbles to his brother and received 150 marbles from his sister. He then put the remaining marbles into 5 boxes equally. How many marbles did he put in each box?

Do not write in this space

Ans: _____ [4]

43. Audrey bought a dining table and 4 similar chairs. The dining table cost $821 more than the total cost of the 4 chairs. She gave the cashier $2800 and received $43 change. How much did each chair cost?

Do not write in this space

Ans: _____ [4]

44. The total mass of a basket and a durian is 3770 g. When a bunch of grapes is added into the basket, the total mass becomes 4450 g. The durian is 4 times as heavy as the bunch of grapes. Find the mass of the basket. (Give your answer in grams)

Do not write in this space

Ans: _____ [4]

45. Alice, Betty and Clara have a total of 2400 beads. Betty has 20 more beads than Alice. Clara has twice the total number of beads Alice and Betty have. How many beads does Betty have?

Do not write in this space

Ans: _____ [4]

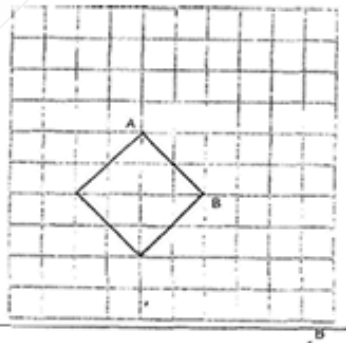
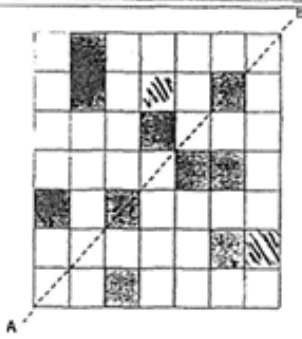
END OF PAPER

ANSWER SHEET

(BOOKLET A)

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

(BOOKLET B)

Q21	30 201	Q22	13 485
Q23	20 940	Q24	25 700
Q25	___ ÷ 3 = 253R2 253 ÷ 3 = 759 759 + 2 = 761	Q26	32 x 1 = 32 2 x ? = 32 8 x ? = 32 16 and 4
Q27	62 850, 62 805, 62 085	Q28	False ✓
Q29	13cm	Q30	30
Q31	9u = 1620 u = 1630 ÷ 9 = $180	Q32	18:06pm 28:12pm 38:18pm 48:24pm 58.30pm Ans: 5
Q33	9 x 4 = 36cm	Q34	116°
Q35	43 + 20 = 63 90 – 63 = 27°	Q36	Park
Q37	90 – 60 = 30 P = 30 ÷ 2 = 15°	Q38	
Q39	20 + 15 + 10 + 20 = 65	Q40	
Q41	680 + 78 = 759	Q42	300 – 150 = 150

	758 = 2u u = 758 ÷ 2 = 379 379 + 78 = 457 Kayla had 457 stickers at first.
Q43	2800 – 43 = 2757 2757 – 821 = 1936 1936 ÷ 8 = $242 Each chair cost $242
Q45	6u = 2340 u = 2340 ÷ 6 = 390 390 + 20 = 410 Betty has 410 beads.

	3400 + 150 = 3550 3550 ÷ 5 = 710 He put 710 marbles in each box.
Q44	B + D = 3770 B + D + G = 4450 G = 4450 - 3770 = 680 D = 3770 - 2720 = 1050g The mass of the basket is 1050g

HENRY PARK PRIMARY SCHOOL SA1 PAPER

SECTION A: Multiple-Choice Questions (20 marks)

Questions 1 to **10** carry 2 mark each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and shade your answer in the Optical Answer Sheet.

---

1. What is the value of digit 6 in 42 650?

   (1) 6

   (2) 60

   (3) 600

   (4) 6000 ( )

2. What is the product of 2109 and 3?

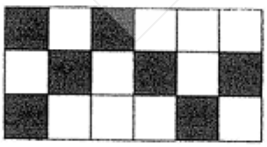
   (1) 73

   (2) 703

   (3) 6327

   (4) 6357 ( )

3. The figure below is made up of identical squares.
   What fraction of the figure is shaded?



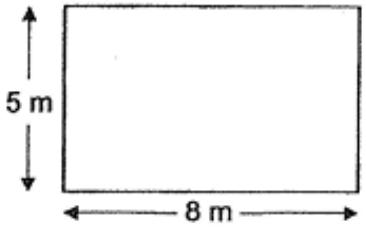
   (1) $\frac{7}{11}$

   (2) $\frac{7}{18}$

   (3) $\frac{11}{18}$

   (4) $\frac{11}{7}$ ( )

4. The rectangle below has a length of 8 m and a breadth of 5 m.
What is the perimeter of the rectangle?



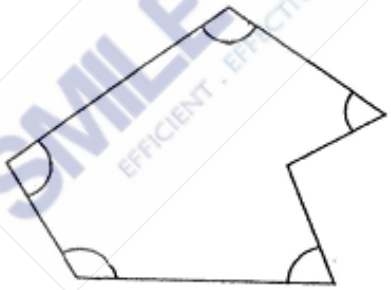
(1) 13 m

(2) 26 m

(3) 32 m

(4) 40 m ( )

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



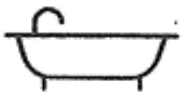
(1) 1

(2) 2

(3) 3

(4) 4 ( )

6. Which of the following figure(s) is/are symmetric?

A	B	C	D
			

(1) A, B and C only

(2) A and D only

(3) B and C only

(4) D only ( )

7. Lucy bought a storybook for $10.95 and a file for $2.70. She gave the cashier $20. How much change did she receive?

(1) $6.35

(2) $7.45

(3) $7.65

(4) $8.65 ( )

8. The capacity of a fish tank is 5 ℓ 20 ml. It contains 340 ml of water. How much more water is needed to fill up the fish tank completely?

(1) 180 ml

(2) 860 ml

(3) 4680 ml

(4) 4860 ml ( )

9. Jacob started working on his project at 10.45 a.m. At 1 p.m., he took an hour break and then continued working on his project until 3.30 p.m. How much time did he spend working on his project?

(1) 3 h 45 min

(2) 4 h 45 min

(3) 5h 45 min

(4) 7 h 15 min ( )

10. The figure below is made up of two squares, E and F.
Each side of square F is three times as long as each side of square E.
What fraction of the figure is shaded?

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

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

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

(4) $\frac{1}{10}$ ( )

SECTION B: Open-Ended Questions (50 marks)

Questions **11** to **35** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write in this space

11. Round 86 594 to the nearest hundred.

Ans: _____

12. What is the sum of 65 thousands and 49 tens?

Ans: _____

13. Complete the number pattern below.

3240, 3263, 3286, _____, 3332, 3355

Ans: _____

14. Find the first common multiple of 6 and 8.

Do not write in this space

Ans: _____

15. Express $\frac{27}{6}$ as a mixed number in its simplest form.

Ans: _____

16. How many eighths are there in $3\frac{5}{8}$?

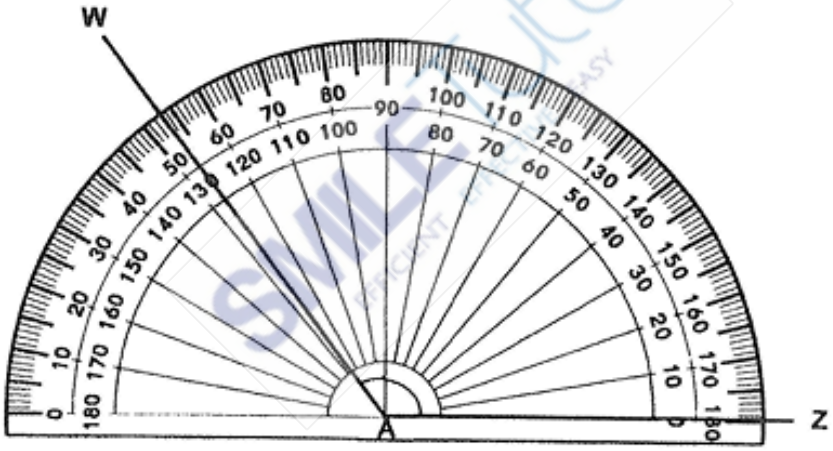
Ans: _____

17. Find the value of $\frac{1}{5} + \frac{7}{10} + \frac{2}{5}$.
Express your answer as a mixed number in its simplest form.

Do not write in this space

Ans: _____

18. What is the size of ∠WAZ?

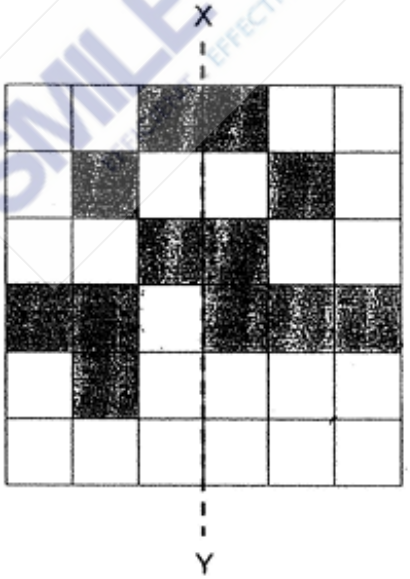


Ans: _____

19. ∠RXN is 100°. Join the marked end point X of line XN to the correct dot to get the required angle. Label the angle.

Do not write in this space

20. Shade 2 more squares to form a symmetric figure with XY as the line of symmetry.



*Use the bar graph below to answer questions **21** and **22**.*

The bar graph below shows the amount of money four students saved in a week.

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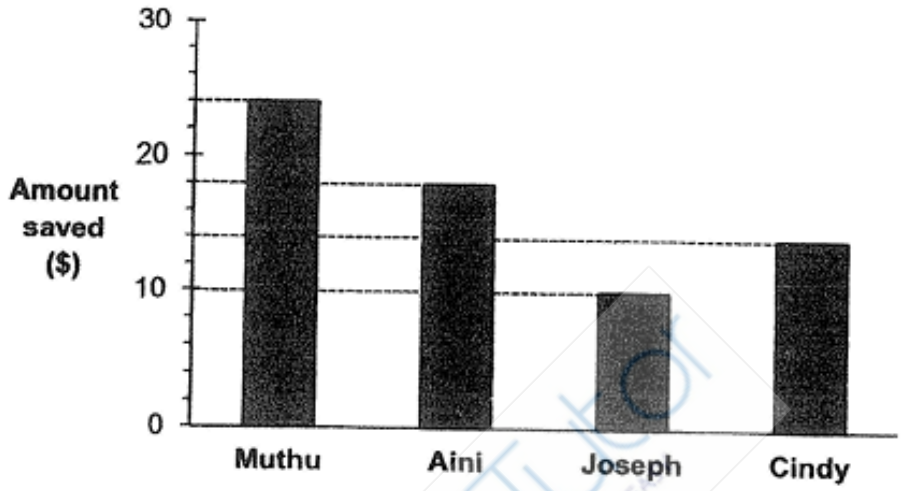


21. What was the total amount of money saved by Aini and Cindy?

Ans: $ _____

22. After Muthu had given Joseph $4, how much more money would Muthu have than Joseph?

Ans: $ _____

23. A number is a multiple of 3. It is also a factor of 42. It is between 14 and 27. What is the number?

Do not write in this space

Ans: _____

24. After Julia donated half of her savings to charity and spent $124 on a toy, she had $102 left. How much savings did Julia have at first?

Ans: $ _____

25. Devi bought 3 m of ribbon. She used $\frac{2}{7}$ m of the ribbon to decorate some presents. How many metres of ribbon did she have left? Express your answer as a mixed number.

Ans: _____ m

26. Mr Tan had some apples. After selling $\frac{1}{5}$ of his apples at a fair, he had 304 apples left. How many apples did he have at first?

Do not write in this space

Ans: _____

27. Siti and Ahmad spent a total of $200.25 at the supermarket. Siti spent $102.90. How much more did Siti spend than Ahmad?

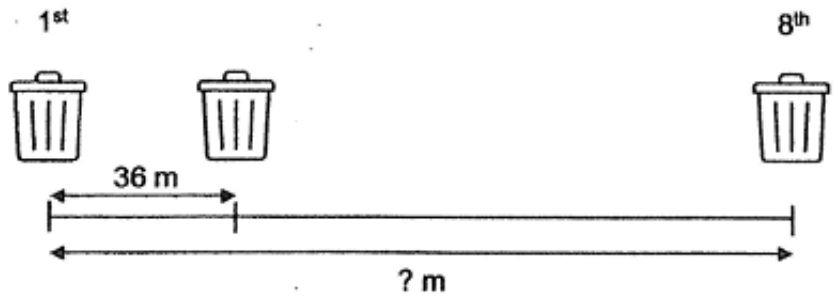
Ans: $ _____

28. Ben paid $630 for a suit and a pair of shoes. The suit cost 5 times as much as the pair of shoes. How much did the pair of shoes cost?

Ans: $ _____

29. 8 bins are placed at an equal distance apart along a straight road as shown below. The distance between every two bins is 36 m. What is the distance between the first bin and the last bin?

Do not write in this space

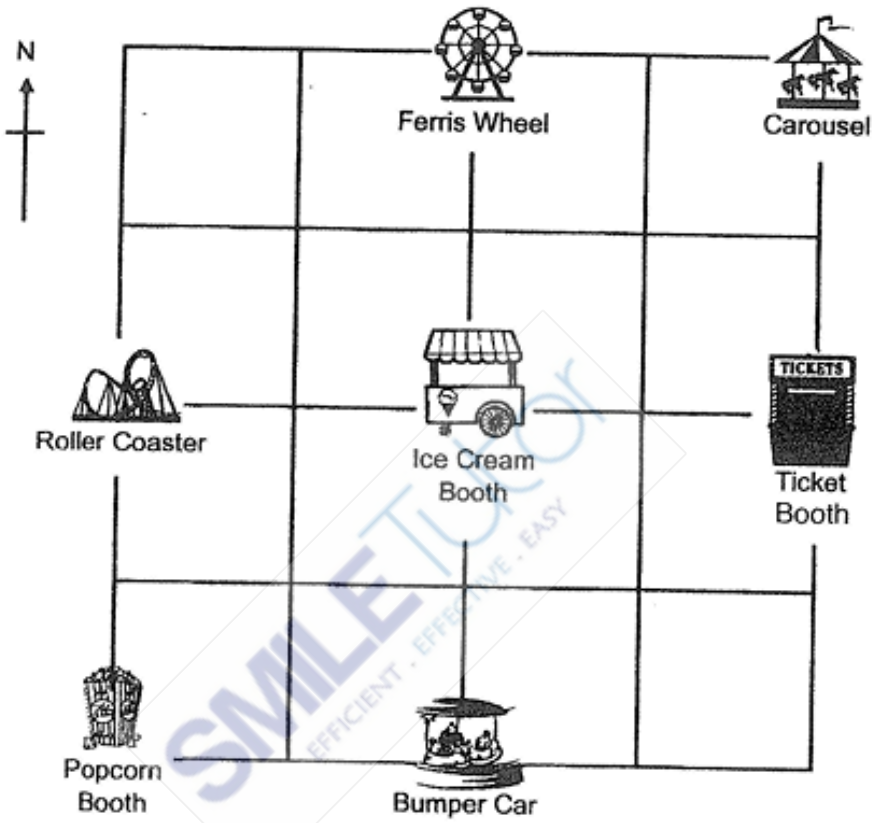


Ans: _____ m

30. Mrs Bala took 5h 15 min to drive from Kuala Lumpur to Singapore. She arrived at Singapore at 4.05 p.m. What time did Mrs Bala leave Kuala Lumpur for Singapore?

Ans: _____ a.m.

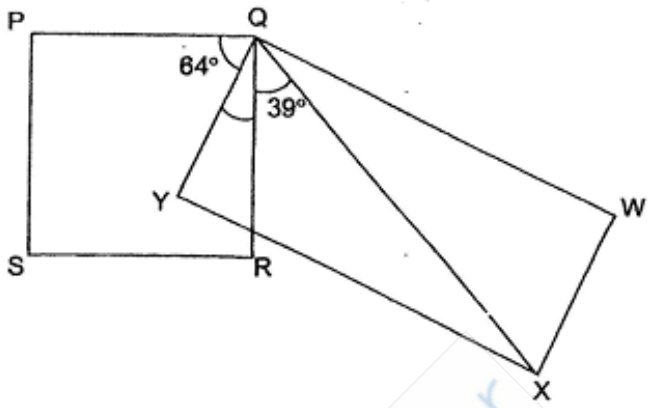
31. Tina is standing at the Ticket Booth and facing East. She makes a 225° turn in a clockwise direction. What would she be facing?



Ans: _____

32. In the figure below, PQRS is a square and QWXY is a rectangle. Find ∠YQR.

Do not write in this space



Ans: _____ °

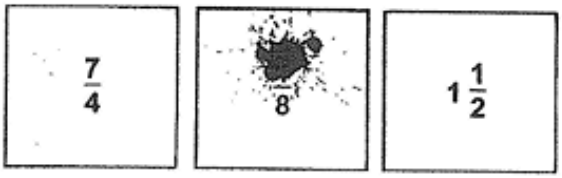
33. Form the greatest possible 4-digit number that can be divided by 5 without a remainder. Each digit can be used only once.

8	3	9	1	0

Ans: _____

34. The fractions shown below are arranged in decreasing order.
The numerator of the second fraction has been smudged by ink.
What is the missing numerator?

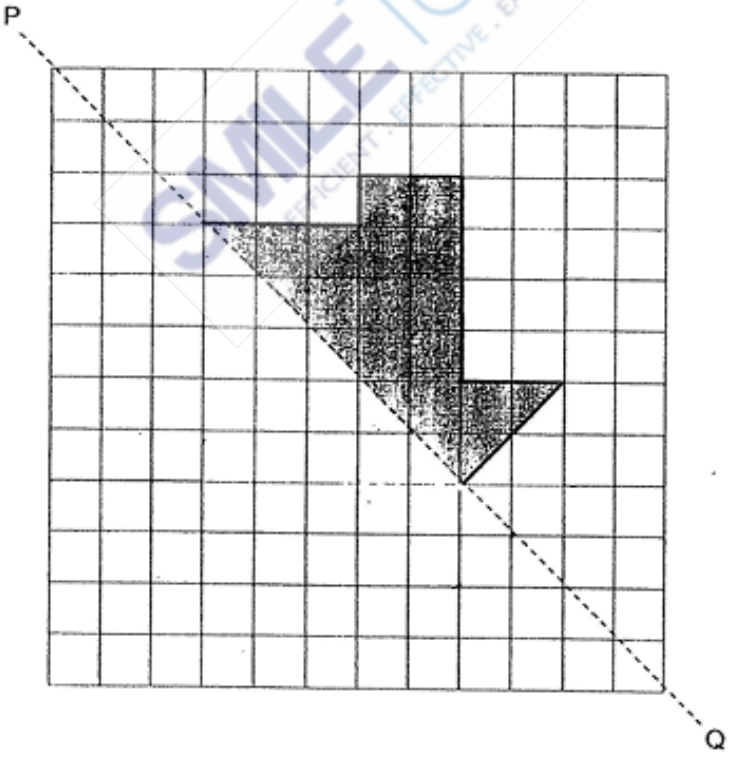
Do not write in this space



Greatest Smallest

Ans: _____

35. Complete the symmetric figure with PQ as the line of symmetry.
Shade the figure.



SECTION C: Problem Sums (30 marks)

For questions **36** to **43**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets [ ] at the end of each question or part-question.

Working

36. Kelly bought 150 candies. She packed the candies into 18 bags. There were 7 candies in each bag. How many candies were left unpacked?

Ans: _____ [3]

Working

37. There were some animals in a farm. $\frac{1}{3}$ of them were chickens, $\frac{2}{9}$ of them were cows and the remaining animals were goats.

(a) What fraction of the animals were goats?
Express your answer in its simplest form.

(b) Given that there were 116 goats in the farm, how many animals were there altogether in the farm?

Ans: (a) _____ [1]

(b) _____ [3]

Working

38. Ali, Ben and Charlie baked some cookies for charity. Charlie baked 5490 cookies. Charlie baked 6 times as many cookies as Ben. Ali baked 1360 more cookies than Ben. How many cookies did they bake in all?

Ans: _____ [4]

Working

39. Louis made purple paint by mixing red and blue paint together.
He used $\frac{5}{6}\ell$ of red paint. He used $\frac{1}{4}\ell$ less blue paint than red paint.

(a) How much blue paint did he use?
Express your answer in its simplest form.

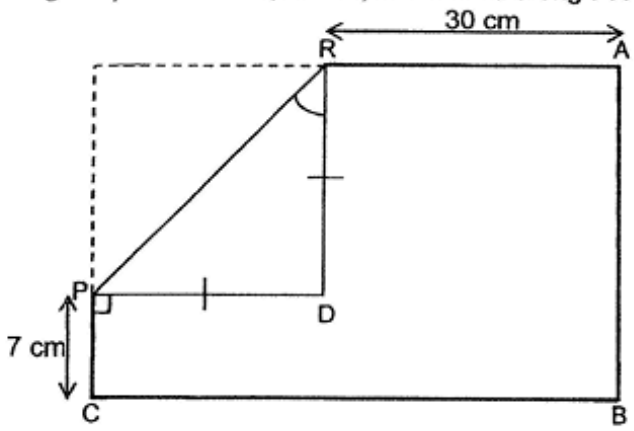
(b) How much purple paint did Louis make?
Express your answer as mixed number in its simplest form.

Ans: (a) _____ [2]

(b) _____ [2]

Working

40. A rectangular piece of card, ABCD, was folded along PR as shown below.



The length of RD is equal to the length of PD. RD is two times as long as PC and PC is 7 cm.

(a) Find ∠PRD.

(b) Find the area of rectangle ABCD before it was folded.

Ans: (a) _____ [1]

(b) _____ [3]

41. Matt, Nathan and Larry had a total of 386 marbles. Matt had 28 marbles more than Nathan. Larry had 4 times as many marbles as Matt. How many marbles did Matt have?

Working

Ans: _____ [3]

Working

42. Timothy paid a total of $12 200 for 5 identical laptops and 3 identical mobile phones. Each laptop cost $720 more than each mobile phone. What was the cost of one mobile phone?

Ans: _____ [4]

Working

43. In a bakery, muffins were only sold in boxes. A box of 4 big muffins cost $11 and a box of 6 mini muffins cost $8.

Jenny bought the same number of big muffins and mini muffins. What was the least possible amount of money she would have paid for the muffins?

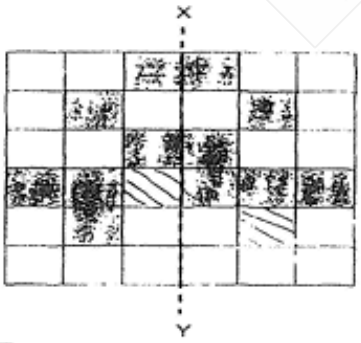
Ans: _____ [4]

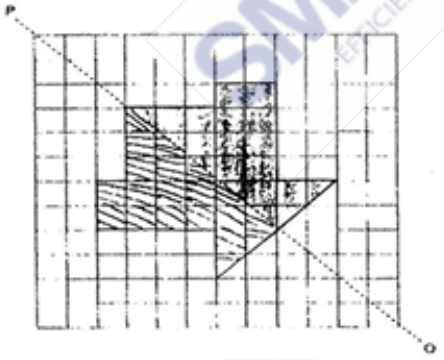
ANSWER SHEET

(BOOKLET A)

Q1	3	Q2	3	Q3	2	Q4	2	Q5	3
Q6	2	Q7	1	Q8	3	Q9	1	Q10	4

(BOOKLET B)

Q11	86600
Q12	65490
Q13	3309
Q14	24
Q15	$4\frac{1}{2}$
Q16	8 x 3 = 24 24 + 5 = 29
Q17	$\frac{2}{10} + \frac{7}{10} + \frac{4}{10} = \frac{13}{10}$ $= 1\frac{3}{10}$
Q18	127°
Q19	
Q20	
Q21	18 + 14 = $32
Q22	20 – 14 = $6
Q23	42 = 2 x 21
Q24	124 + 102 = 226

	226 x 2 = $452
Q25	$3m = \frac{21}{7}m$ $\frac{21}{7} - \frac{2}{7} = \frac{19}{7}$ $= 2\frac{5}{7}m$
Q26	$\frac{4}{5} = 304$ $\frac{1}{5} = 304 \div 4$ $= 76$ $\frac{5}{5} = 76 \times 5$ $= 380$
Q27	A = $200.25 - $102.90 = $97.35 $102.90 – 97.35 = $5.55
Q28	6u = 630 1u = 630 ÷ 6 = $105
Q29	No. of gaps = 8 – 1 = 7 7 x 36 = 252m
Q30	10.50 a.m.
Q31	Ferris Wheel
Q32	$90 – 64 = 26^{\circ}$
Q33	9831 ÷ 5 = 1966 R1 9830 ÷ 5 = 1966 9830
Q34	13
Q35	
Q36	7 x 18 = 126 150 – 126 = 24
Q37	a) $\frac{1}{3} = \frac{3}{9}$ $\frac{3}{9} + \frac{2}{9} = \frac{5}{9}$ $\frac{9}{9} - \frac{5}{9} = \frac{4}{9}$ b) 4u = 116 1u = 116 ÷ 4 = 29

	9u = 29 x 9 = 261
Q38	6u = 5490 1u = 5490 ÷ 6 = 915 8u = 915 x 8 = 7320 7320 + 1360 = 8680
Q39	a) $\frac{1}{4} = \frac{6}{24}$ $\frac{5}{6} = \frac{20}{24}$ $\frac{20}{24} - \frac{6}{24} = \frac{14}{24}$ $= \frac{7}{12}$L b) $\frac{7}{12} + \frac{10}{12} = 1\frac{5}{12}$L
Q40	a) PRD = 90 ÷ 2 = 45° b)7 + 14 = 21 14 + 30 = 44 44 x 21 = 924cm^2
Q41	5 x 28 = 140 6u = 386 – 140 = 246 1u = 246 ÷ 6 = 41 41 + 28 = 69
Q42	720 x 5 = 3600 8u = 12200 – 3600 = 8600 1u = 8600 ÷ 8 = $1075
Q43	12 ÷ 4 = 3 3 x 11 = 33 12 ÷ 6 = 2 2 x 8 = 16 16 + 33 = $49