RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2024 END OF YEAR EXAMINATION

MATHEMATICS

Name : _____ ( )

Class : Primary 4 / _____

Date : 23 OCT 2024

BOOKLET A

20 Questions
40 Marks
Duration of Paper : 1 hour 45 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
   (a) Page 1 to Page 10
   (b) Questions 1 to 20

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 does the digit 6 stand for 600?

(1) 9760

(2) 7906

(3) 7690

(4) 6790

2 Which number when rounded to the nearest ten becomes 20 400?

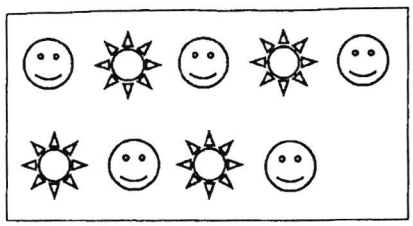
(1) 20 344

(2) 20 396

(3) 20 406

(4) 20 454

3 What fraction of the shapes are  ?



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

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

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

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

4 Which fraction is in its simplest form?

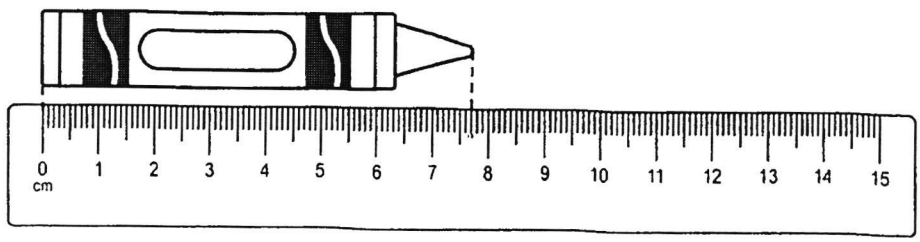
(1) $\frac{3}{7}$

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

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

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

5 What is the length of the crayon in cm?



(1) 7.3 cm

(2) 7.7 cm

(3) 8.3 cm

(4) 8.7 cm

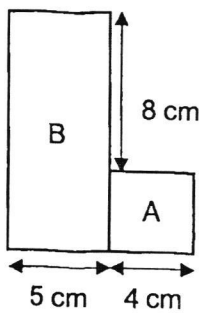
6 The figure shown is made up of a square A of side 4 cm and a rectangle B with breadth 5 cm. What is the length of the rectangle?

(1) 8 cm

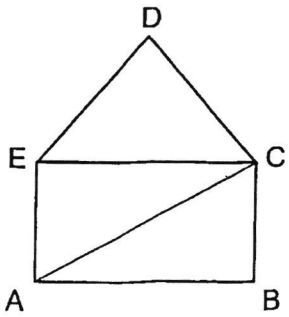
(2) 9 cm

(3) 12 cm

(4) 13 cm



7 In the figure below, which two lines are perpendicular to each other?



(1) AB and BC

(2) AE and BC

(3) CE and DE

(4) AC and CD

8 Kiara spent 2 h 55 min drawing a portrait. She completed the portrait at 5.10 p.m. What time did Kiara start to draw the portrait?

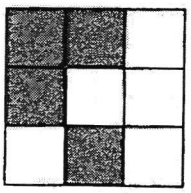
(1) 14 15

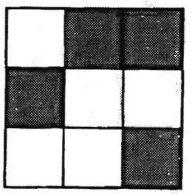
(2) 15 05

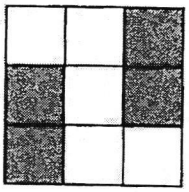
(3) 19 10

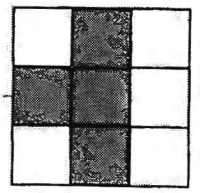
(4) 20 05

9 Each figure is made up of nine squares. Four squares in each figure are shaded. Which of the following is a symmetric figure?

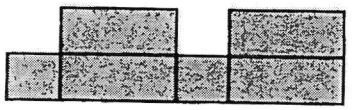
(1) 

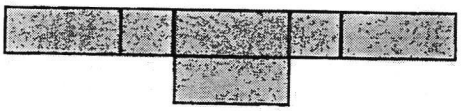
(2) 

(3) 

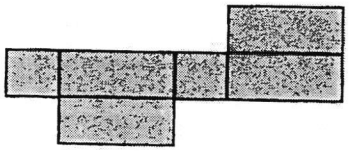
(4) 

10 Which of the following is a net of a cubiod?

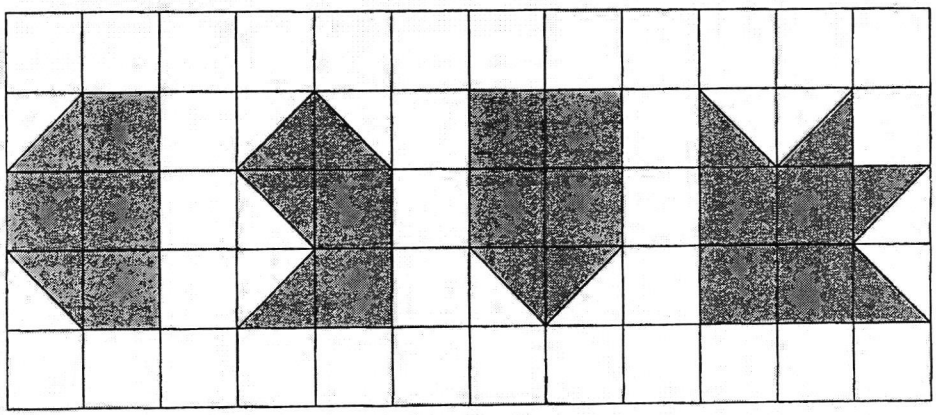
(1) 

(2) 

(3) 

(4) 

11 Which two shapes shown in the square grid have the same area?



A B C D

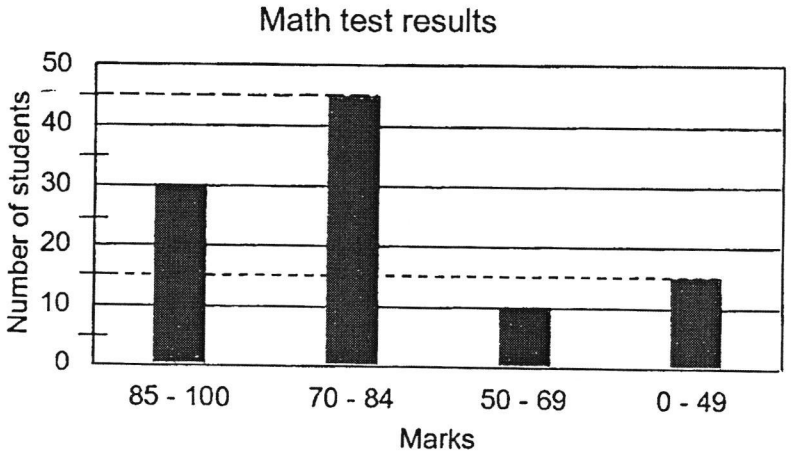
(1) A and B

(2) A and C

(3) B and C

(4) C and D

12 The graph below shows the test results of 100 students.



How many students scored below 70 marks?

(1) 75

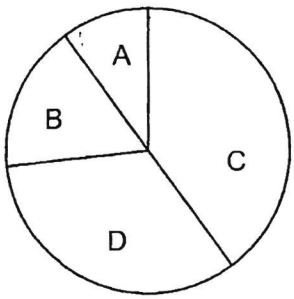
(2) 45

(3) 30

(4) 25

The table shows the number of different fruits sold by a fruit seller at a market. The information is represented by a pie chart.

Fruit	Number of fruits sold
Papaya	12
Honeydew	10
Pineapple	5
Watermelon	3



13 In the pie chart, which of the following represents honeydew?

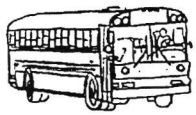
(1) A

(2) B

(3) C

(4) D

14 The figure shows the timings for shuttle bus at an airport bus terminal.



Timings for Shuttle Bus
9.30 a.m.
10.15 a.m.
11.00 a.m.
11.45 a.m.

John arrived at the airport bus terminal at 10.40 a.m. How long must he wait for the next shuttle bus?

(1) 20 min

(2) 25 min

(3) 1 h 10 min

(4) 2 h 15 min

15 Jeremy and Sam ran a total distance of 10.6 km. Jeremy ran 2.4 km more than Sam. How far did Sam run?

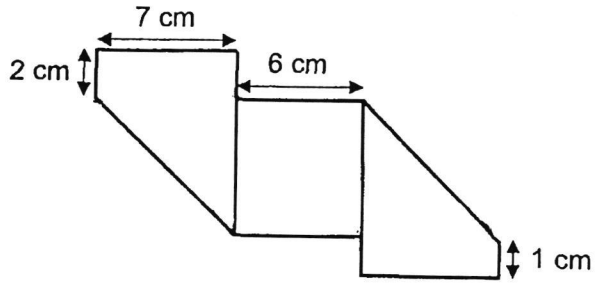
(1) 2.9 km

(2) 4.1 km

(3) 6.5 km

(4) 8.2 km

16 A rectangular piece of paper was folded at both ends to form the shape as shown below. Find the perimeter of the rectangular piece of paper.



(1) 48 cm

(2) 56 cm

(3) 58 cm

(4) 60 cm

17 A shop sells four types of muffins. The table shows the number of muffins sold in July for three of the four types of muffins.

Type of muffins	Number of muffins sold
Banana	95
Strawberry	155
Chocolate	200
Vanilla	?

$\frac{1}{3}$ of the muffins sold in July were vanilla muffins. How many vanilla muffins were sold?

(1) 150

(2) 225

(3) 450

(4) 675

18 Jason and Tom had $348.80 altogether. After Tom gave $33 to Jason, they each had an equal amount of money. How much did Tom have at first?

(1) $141.40

(2) $174.40

(3) $207.40

(4) $282.80

19 A shirt cost 3 times as much as a book. Max bought 2 shirts and 3 books for $108. How much did each shirt cost?

(1) $12

(2) $18

(3) $36

(4) $54

20 A roll of ribbon has stars and hearts printed in a repeated pattern.

There are 48 stars and hearts on the roll of ribbon. How many stars are there on the roll of ribbon?

(1) 29

(2) 27

(3) 20

(4) 18

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MATHEMATICS

Name : _____ ( )

Class : Primary 4 / _____

Date : 23 OCT 2024

BOOKLET B

25 Questions
60 Marks

In this booklet, you should have the following:
(a) Page 11 to Page 25
(b) Questions 21 to 45

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

Parent's Signature : _____

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)

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21 Arrange these numbers from the greatest to the smallest.

268 , 826 , 862 , 286

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

---

22 3107 × 8 = _____

Ans: _____

---

23 Write $\frac{45}{7}$ as a mixed number.

Ans: _____

6

24 $1 - \frac{1}{8} - \frac{1}{4} =$ _____

Ans: _____

---

25 Find the value of 7.25 x 6

Ans: _____

---

26 Round 18.55 to the nearest whole number.

Ans: _____

6

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

$$\frac{2}{3} \quad , \quad \frac{3}{6} \quad , \quad \frac{4}{9} \quad , \quad \frac{5}{12}$$

Ans: _____ and ____

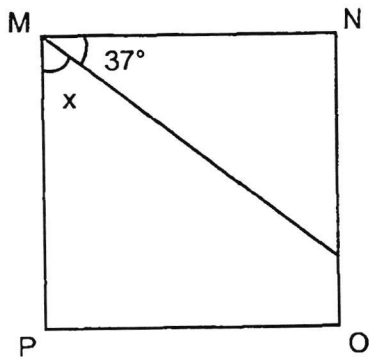
---

28 Write 7 hundredths as a decimal.

Ans: _____

---

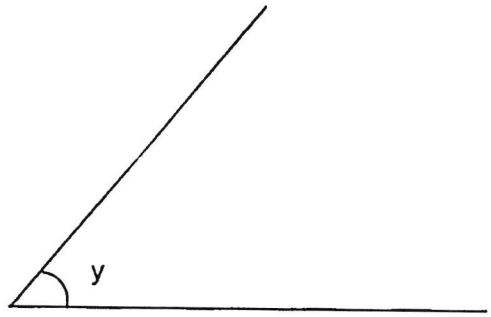
29 MNOP is a square. Find $\angle x$.



Ans: _____°

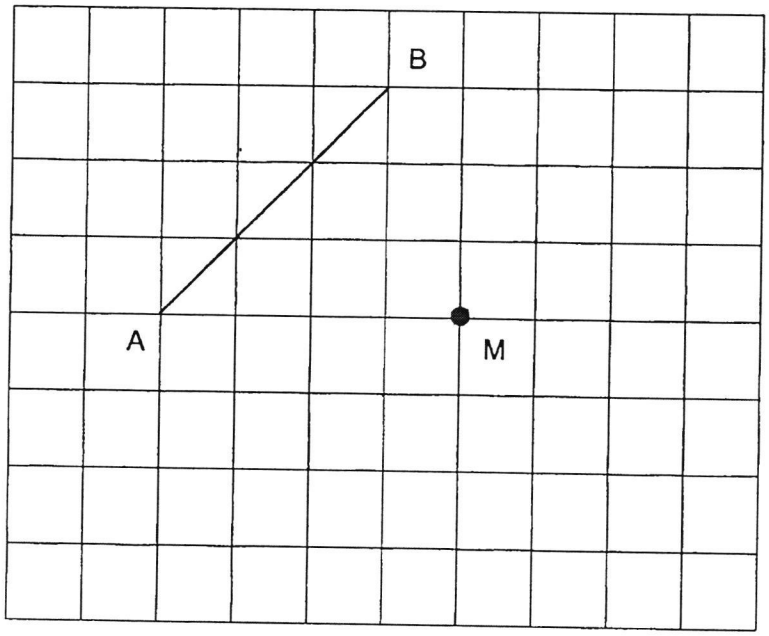
6

30 (a) Measure and write down the size of $\angle y$.



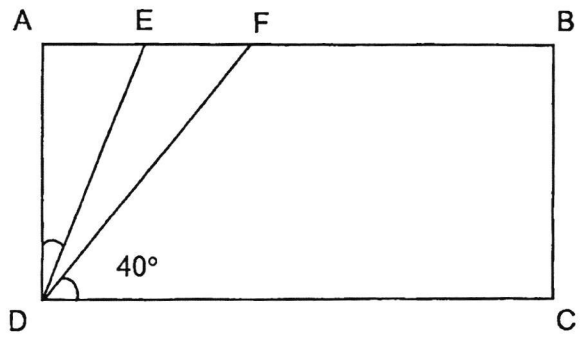
Ans: (a) _____ °

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



2

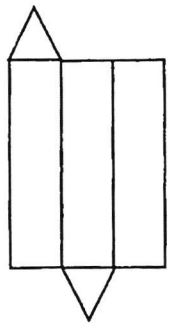
31 In the figure shown, ABCD is a rectangle. $\angle ADE = \angle EDF$. Find $\angle ADE$.



Ans: _____°

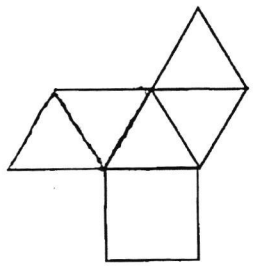
---

32 (a) The net of a solid is given below. Name the solid.



Ans: _____

(b) The net drawn for a square pyramid below is incorrect. Shade the part that does not fit.

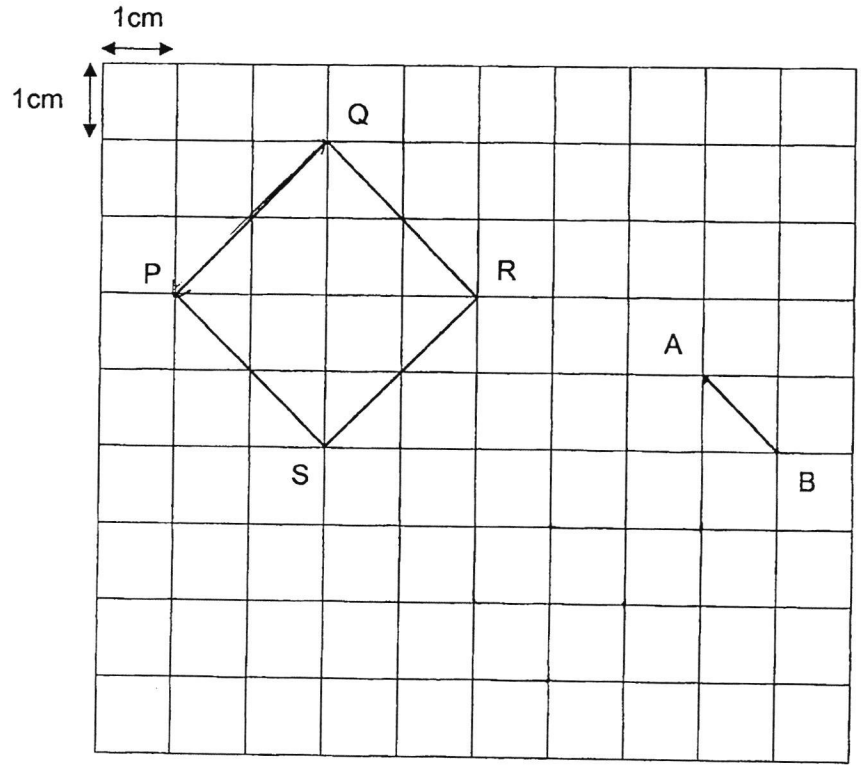


4

33 A square PQRS is drawn on a square grid.

(a) Find the area of the square PQRS.

(b) Using line AB, draw a rectangle ABCD, such that it has the same perimeter as square PQRS.



Ans: (a) _____ cm^2

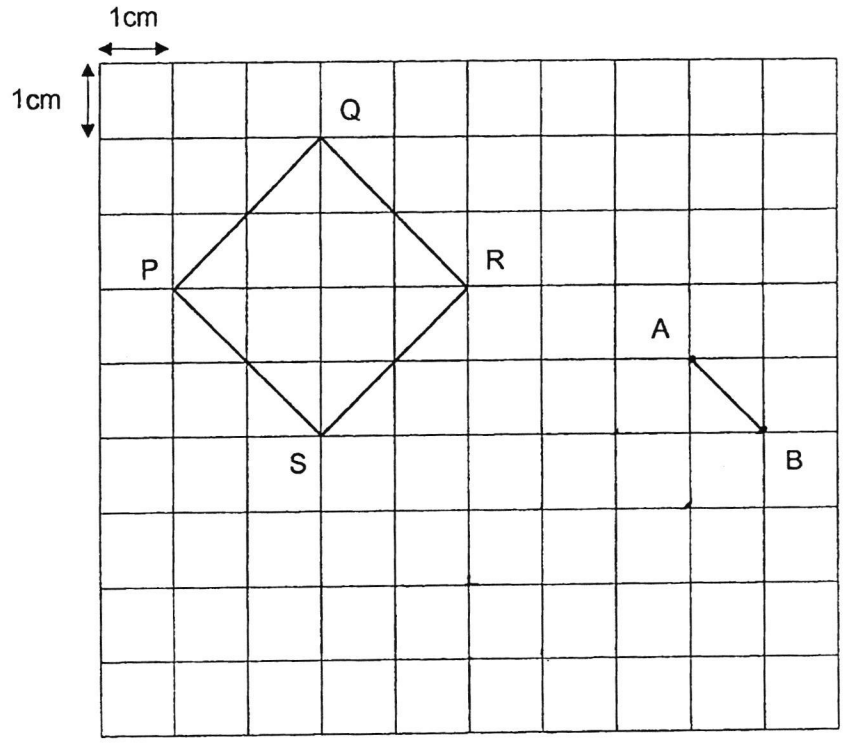
2

Name: _____ ( )

33 A square PQRS is drawn on a square grid.

(a) Find the area of the square PQRS.

(b) Using line AB, draw a rectangle ABCD, such that it has the same perimeter as square PQRS.



Ans: (a) _____ cm^2

34 Linda baked some cookies. She sold $\frac{1}{5}$ of the cookies in the morning and $\frac{2}{3}$ of the cookies in the afternoon. She had 40 cookies left. How many cookies did Linda bake?

Ans: _____

---

35 The cost of 3 pens and 3 rulers is $12.60. Each pen cost $1.20 more than each ruler. Find the cost of 1 ruler.

Ans: $ _____

4

36 Ms Crystal is building a square flower bed surrounded by a fence made of vertical panels. Each side of the flower bed requires 4 vertical panels with 5 nails for each panel as shown in Figure 1. How many nails are needed in total to assemble the fence around the flower bed?

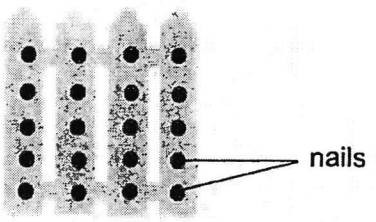


Figure 1

Ans: _____

---

37 Sam had some green balloons and 50 purple balloons. After he gave away 15 green balloons and 18 purple balloons, he had 94 balloons left. How many green balloons did Sam have at first?

Ans: _____

4

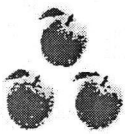
38 The cost of 1 book and 2 files is $18. The cost of 3 books and 7 files is $59. Find the cost of 1 file.

Ans: $ _____

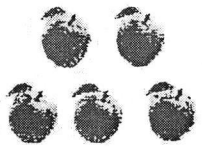
---

39 Oranges are sold at the prices shown below.

$1



A bag of 3 oranges
$2.40



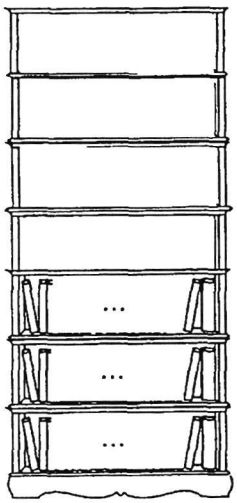
A bag of 5 oranges
$3.75

Alissa wants to buy 27 oranges for a class party. What is the least amount of money she needs to pay for the oranges?

Ans: $ _____

4

40 There are 7 shelves on a bookshelf.
Janice placed an equal number of books on 3 of the shelves, leaving the remaining 4 shelves empty.



Janice removed 8 books from each of the 3 shelves. She then packed all the books she had removed equally onto the 4 empty shelves. After that, each of the 7 shelves had the same number of books. How many books were there on the 7 shelves altogether?

Ans: _____

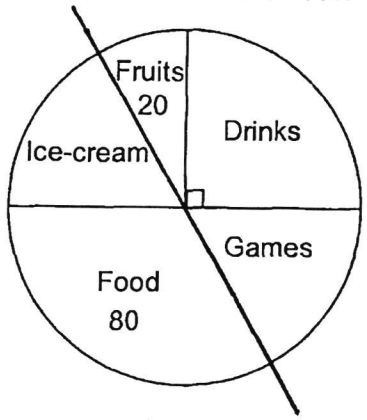
2

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 Everest Primary School organised a funfair. The pie chart below shows the number of people who visited the various stalls at the funfair.



(a) Which stall was the most popular?

Ans: (a) _____ [1]

(b) What fraction of the people visited the drinks stall?

Ans: (b) _____ [1]

(c) $\frac{1}{2}$ of the people visited the ice-cream and food stalls. The number of people who visited the ice-cream stall was the same as the number of people who visited the games stall. How many people visited the funfair altogether?

Ans: (c) _____ _____ [2]

4

42 Taylor had some cupcakes. She gave $\frac{4}{7}$ of them to her sister and 16 cupcakes to her mother. She then had 11 cupcakes left.

(a) How many cupcakes did she give her sister?

Ans: (a) _____ [2]

(b) How many cupcakes did she have at first?

Ans: (b) _____ [2]

4

43 The zoo tickets for adults and children are sold at the prices shown below.

$6

$4

(a) Mr Poon paid $22 for 1 child ticket and some adult tickets. How many adult tickets did he buy?

Ans: (a) _____ [2]

(b) Mdm Banu paid $74 for some adult and child tickets. The number of child tickets bought was 1 more than the number of adult tickets bought. How many adult tickets did Mdm Banu buy?

Ans: (a) _____ [2]

4

44 The table shows the number of sports played by each student in a class. Part of the table was stained. There were 36 students who played at least 2 sports.

Number of sports	0	1	2	3	4
Number of students	2	8	15		

(a) How many students played at least a sport?

Ans: (a) _____ [2]

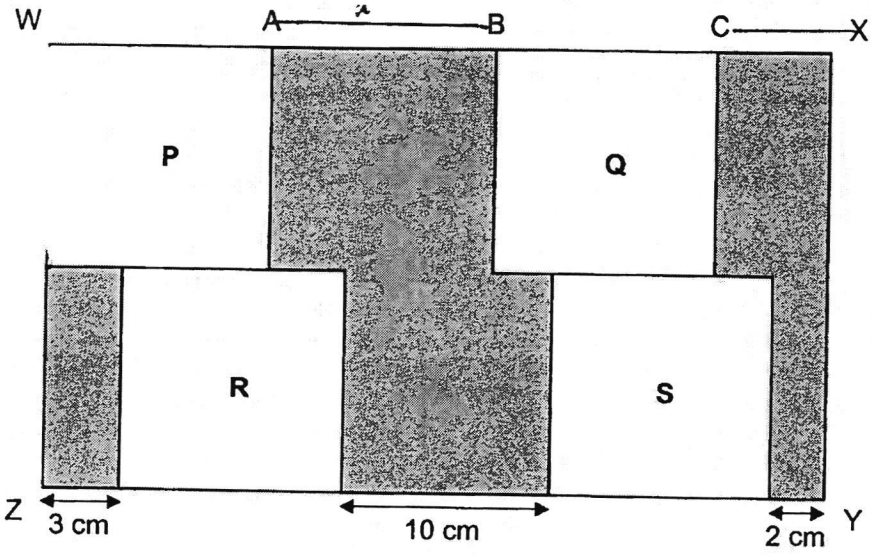
(b) Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a (✓) to indicate your answer.

Statement	True	False	Not possible to tell
There are 46 students in the class.			
The number of students who played 3 sports was equal to the number of students who played 4 sports.			
The number of students who played 3 sports is more than the number of students who played 2 sports.			

[2]

4

45 In the figure, WXYZ is a rectangle. P, Q, R and S are identical squares.

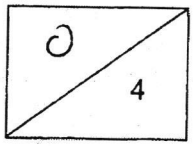


(a) Length AB is twice the length of CX. Find length CX.

Ans: (a) _____ [1]

(b) The breadth of rectangle WXYZ is 20 cm. Find the area of the shaded parts.

Ans: (b) _____ [3]



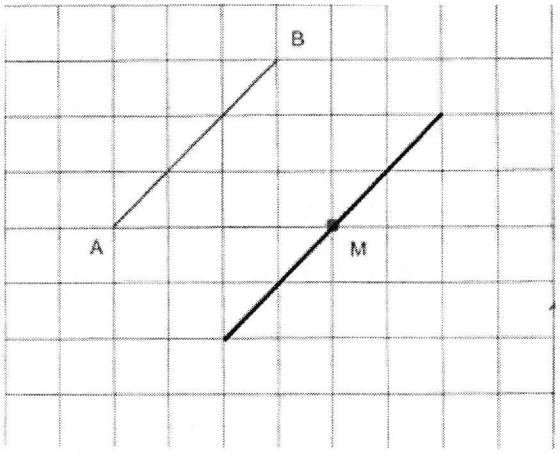
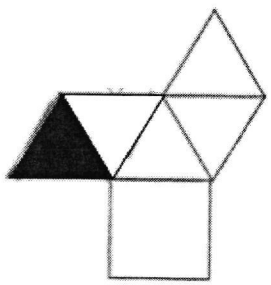
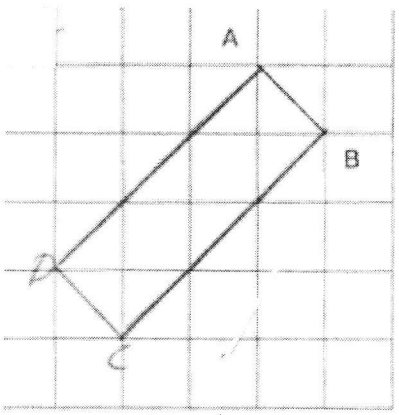
SCHOOL : RED SWASTIKA SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : SA2
CONTACT :

BOOKLET A

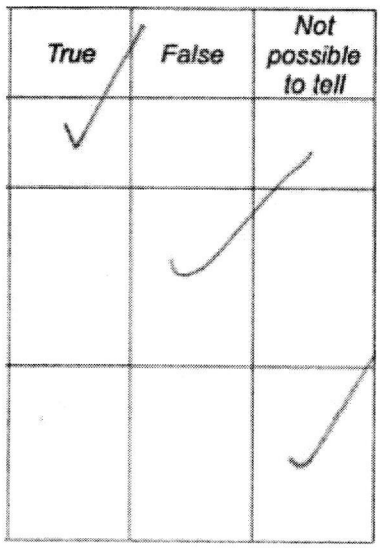
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	**2**	**1**	**1**	**2**	**3**	**1**	**1**	**4**	**4**
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	**4**	**4**	**1**	**2**	**4**	**2**	**3**	**3**	**1**

BOOKLET B

Q21	**862, 826, 286, 268**
Q22	**24856**
Q23	$6\frac{3}{7}$
Q24	$\frac{5}{8}$
Q25	**43.50**
Q26	**19**
Q27	$\frac{5}{12}$ **and** $\frac{4}{9}$
Q28	**0.07**
Q29	**53**。
Q30(a)	**50**。

Q30(b)	
Q31	**90° - 40° = 50°** **50° ÷ 2 = 25°**
Q32(a)	**Prism**
Q32(b)	
Q33(a)	**8**
Q33(b)	
Q34	$\frac{1}{5} + \frac{2}{3} = \frac{13}{15}$ $1 - \frac{13}{15} = \frac{2}{15}$ **2u = 40** **1u = 20**

	15u = 20 x 5 = 300
Q35	**$1.20 x 3 = $3.60** **$12.60 - $4.60 = $9** **$9 ÷ 6 = $1.50**
Q36	**20 x 4 = 80**
Q37	**50 - 18 = 32** **94 - 32 = 62** **62 + 15 = 77**
Q38	**1B + 2F = $18** **3B + 7F = $59** **3B + 6F = $54** **$59 - $54 = $5**
Q39	**($3.75 x 5) + $1 + $1 = $20.75**
Q40	**3 x 8 = 24** **24 ÷ 4 = 6** **6 x 7 = 42**
Q41(a)	**Food**
Q41(b)	$\frac{1}{4}$
Q41(c)	**60 x 4 = 240**
Q42(a)	**3u = 11 + 16 = 27** **1u = 27 ÷ 3 = 9** **4u = 9 x 4 = 36**
Q42(b)	**7u = 9 x 7 = 63**
Q43(a)	**$22 = $4 = $18** **$18 ÷ 6 = 3**
Q43(b)	**$74 - $4 = $70** **$6 + $4 = $10** **$70 ÷ $10 = 7**
Q44	**8 + 36 = 44**

Q44(b)	
Q45(a)	**3u = 3 + 10 + 2 = 15** **1u = 15 ÷ 3 = 5cm**
Q45(b)	**4 squares = 4 x 10 x 10 = 400** cm^2 **Length of WXYZ = 3 + 10 + 10 + 10 + 2 = 35cm** **Area of WXYZ = 35 x 20 = 700**cm^2 **700**cm^2 **- 400**cm^2 **= 300**cm^2