RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2018 SEMESTRAL ASSESSMENT 1

MATHEMATICS

Name : _____ ( )

Class : Primary 4 / _____

Date : 4 May 2018

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 6
   (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)

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1 In 87 015, what does the digit '8' stand for?

(1) 8 tens
(2) 8 hundreds
(3) 8 thousands
(4) 8 ten thousands

2 Which of the following is a common multiple of 4 and 6?

(1) 36
(2) 32
(3) 28
(4) 18

3 In $\boxed{?} \div 3 = 140$ R2, find the missing number in the box.

(1) 418
(2) 420
(3) 422
(4) 426

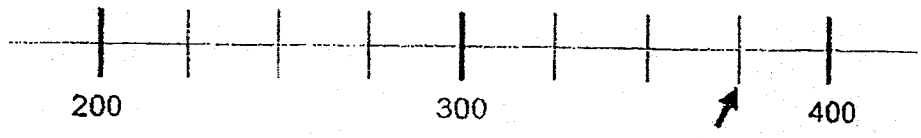
4 Johnny paid 6 books of the same price for $228. What was the cost of 2 such books?

(1) $19
(2) $38
(3) $76
(4) $114

5 Paul revised for a test from 7.35 p.m. to 9.15 p.m. yesterday. How long did he revise for the test?

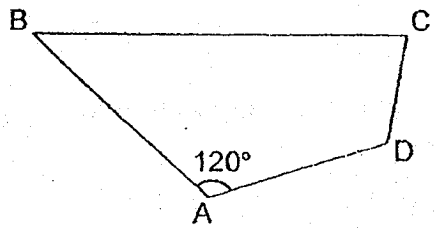
(1) 1h 50min
(2) 1h 40min
(3) 1h 20min
(4) 1h 10min

6 In the number line below, what is the number indicated by the arrow?



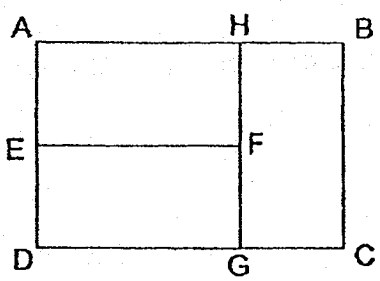
(1) 330
(2) 360
(3) 375
(4) 380

7 The figure is not drawn to scale. Name the marked angle of 120°.



(1) ∠ABC
(2) ∠ADC
(3) ∠BCD
(4) ∠DAB

8 ABCD is formed by three identical rectangles.
Which of the following is NOT true?



(1) EF = GH
(2) AE = GC
(3) AB = HB + BC
(4) ABCD is a square.

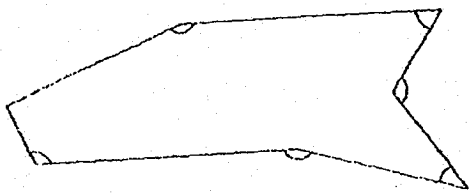
9 In 85 905, what is the product of the two values of the digit '5'?

(1) 25
(2) 250
(3) 2500
(4) 25 000

10 Lynn collected 98 stamps weekly for 26 weeks. How many stamps did she collect in total? Round off your answer to the nearest hundred.

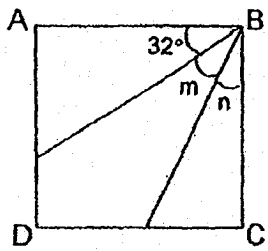
(1) 3000
(2) 2600
(3) 2500
(4) 2400

11 Six angles are marked in the figure below. How many of them are larger than a right angle?



(1) 5
(2) 6
(3) 3
(4) 4

12 In the figure below, ABCD is a square and $\angle m = \angle n$. Find $\angle n$.

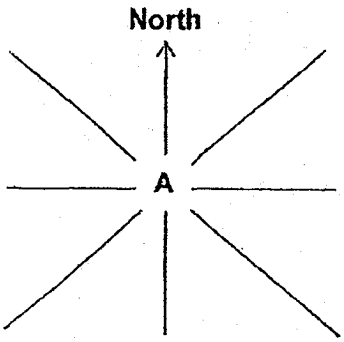


(1) 16°
(2) 29°
(3) 32°
(4) 58°

13 Peter is standing at centre A according to the 8-point compass below.

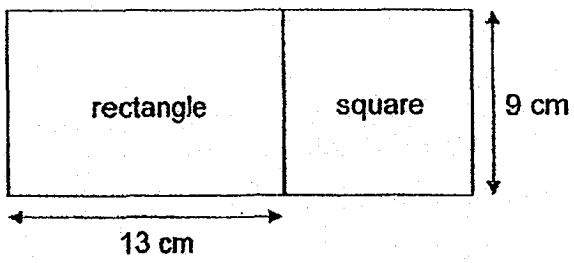
After making a $\frac{1}{4}$ - turn clockwise and then turning 315° in the anticlockwise direction, Peter finds himself facing the South.

At which direction is Peter facing at first?



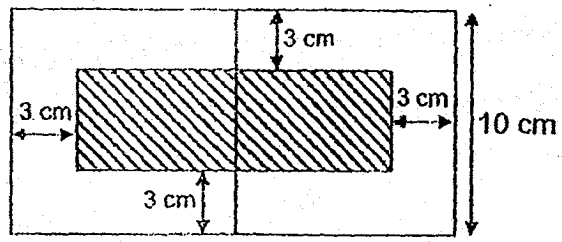
(1) East
(2) West
(3) North-East
(4) North-West

14 The figure is made up of a rectangle and a square. Find the perimeter of the figure.



(1) 53 cm
(2) 62 cm
(3) 71 cm
(4) 80 cm

15 The figure below is made up of 2 identical squares and a shaded rectangle. Find the area of the shaded rectangle.



(1) 56 cm^2
(2) 84 cm^2
(3) 119 cm^2
(4) 182 cm^2

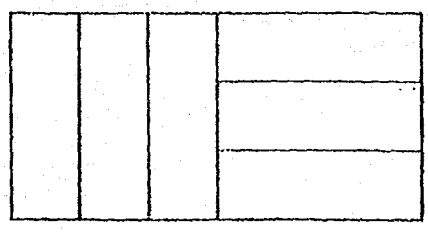
16 The following display is a notice of the visiting hours of Happy Hospital.

Daily Visiting Hours
11.30 a.m. to 2 p.m.
5 p.m. to 8.30 p.m.

How long is Happy Hospital open for visiting daily?

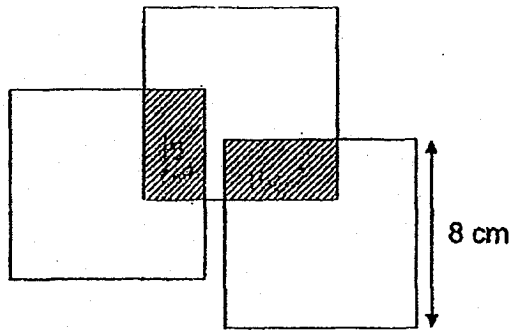
(1) 2h 30min
(2) 3h 30min
(3) 6h
(4) 9h

17 The figure is made up of 6 identical rectangles. The perimeter of the figure is 72 cm. Find the perimeter of one rectangle.



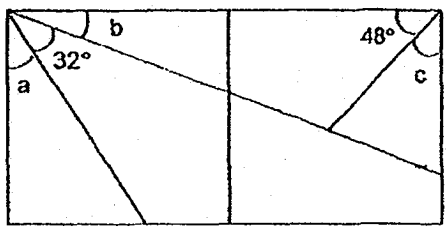
(1) 12 cm
(2) 18 cm
(3) 24 cm
(4) 32 cm

18 The figure is made up of three identical squares overlapping each other as shown. Each overlapped part is a rectangle as shaded and the area of each shaded rectangle is 15 cm^2. Find the total area of the **unshaded** parts.



(1) 117 cm^2
(2) 132 cm^2
(3) 147 cm^2
(4) 162 cm^2

19 The figure is formed by two identical squares. Some straight lines are drawn inside the figure. Find the value of $\angle a + \angle b + \angle c$.



(1) 100°
(2) 106°
(3) 138°
(4) 144°

20 When Ben is 8 years old, Charles is three times as old as Ben and 4 years older than Daniel. If Daniel is 50 years old, how old is Ben?

(1) 18
(2) 34
(3) 38
(4) 46

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2018 SEMESTRAL ASSESSMENT 1

MATHEMATICS

Name : _____ ( )

Class : Primary 4 / _____

Date : 4 May 2018

BOOKLET B

28 Questions
60 Marks

In this booklet, you should have the following:
(a) Page 7 to Page 17
(b) Questions 21 to 48

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

Parent's Signature : _____

Questions 21 to 30 carry 1 mark each. Questions 31 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.

(30 marks)

21 Find the product of 145 and 70.

Ans: _____

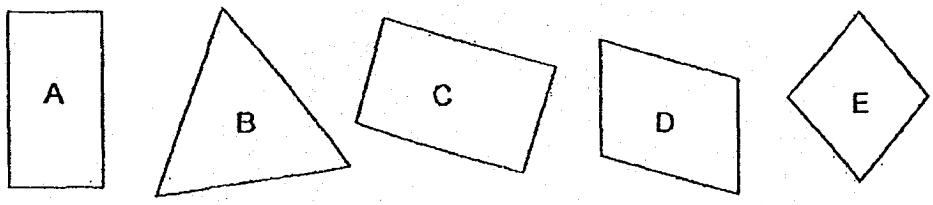
22 Write sixty thousand, one hundred and twenty in numerals.

Ans: _____

23 In 7 ten thousands + 5 hundreds, what is value of the largest digit?

Ans: _____

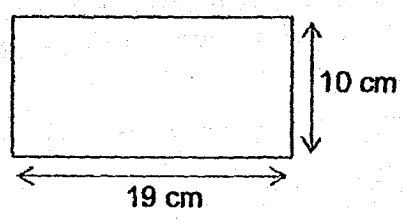
24 Study the shapes below.
Which shape(s) has/have all the properties of a rectangle?



Ans: _____

4

25 The figure below is a rectangle. Find its perimeter.



Ans: _____ cm

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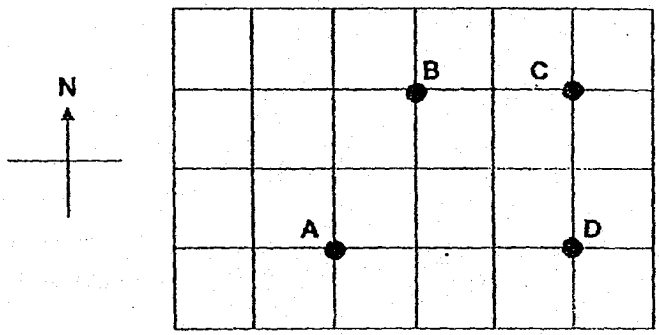
26 The square grid below shows four positions on a map.
In which direction is D from B?



Ans: _____

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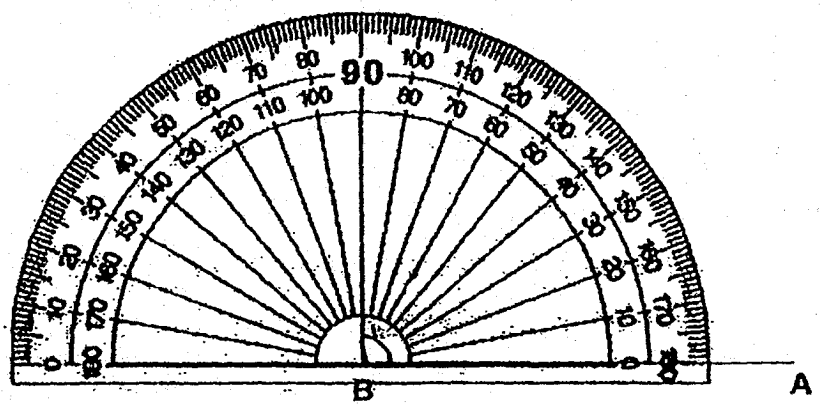
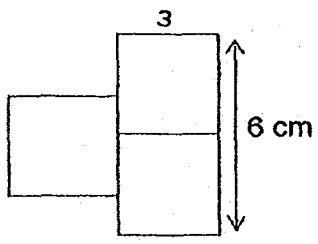
27 Use the given protractor and complete the drawing of ∠ABC = 106°.



3

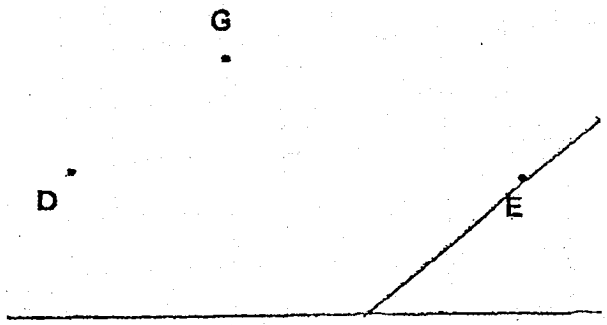
28 Use the dotted line to complete the drawing of square ABCD with side AB given.

29 The figure is made up of 3 identical squares. Find its area.



Ans: _____ cm^2

30 Draw two straights lines to join the three dots to form the smallest angle. Measure this angle with a protractor and write its value in the answer space.



Ans: _____ °

3

31 Find the sum of all the common factors of 12 and 16.

Ans: _____

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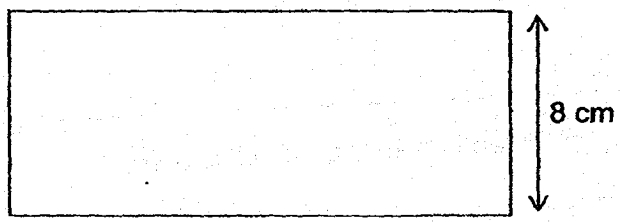
32 A piece of wire of 50 cm is just enough to form the rectangle below. What is the area of the rectangle?



Ans: _____ cm^2

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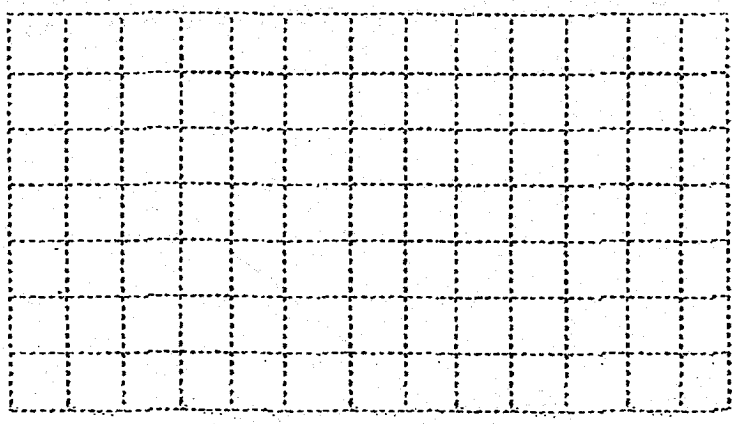
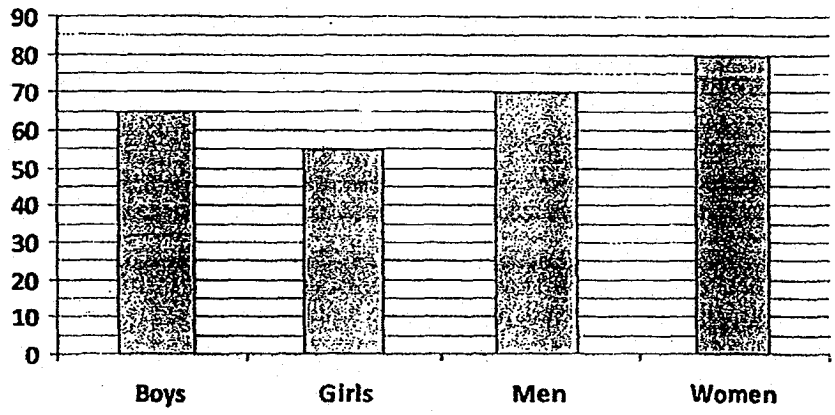
33 Complete drawing the rectangle with the given lines.



6

34 The bar graph below shows the number of people who attended a concert. How many people attended the concert?



Ans: _____

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35 Study the number pattern. Find the sum of the next two missing numbers.

9660, 9510, 9360, 9210, ___?___, ___?___ , 8760, ...

Ans: _____

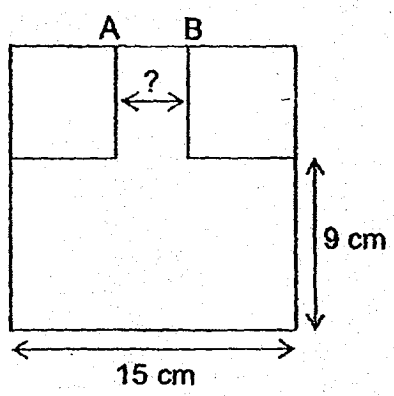
---

36 Kim brought $100 to buy fruit tarts. She paid $7 for 3 fruit tarts. What was the greatest number of fruit tarts that she could buy?

Ans: _____

6

37 The figure below is made up of three squares. What is length AB?



Ans: _____ cm

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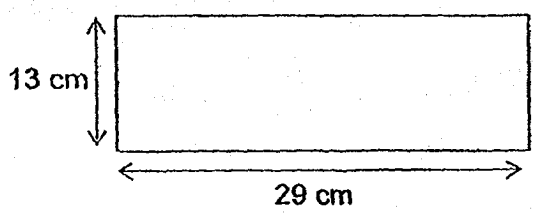
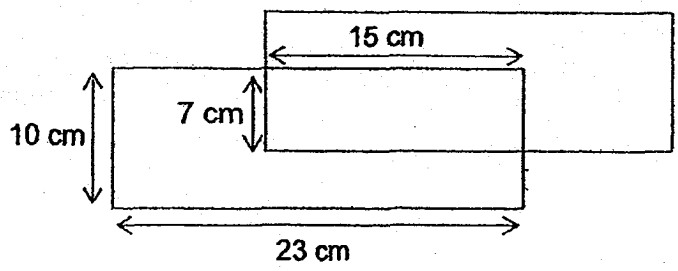
38 The figure below is a rectangular card. At most, how many squares of side 3 cm can be cut from this card?



Ans: _____

4

39 The figure is made up of two identical rectangles overlapping each other. Find the perimeter of the figure.



Ans: _____ cm

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40 Lynn bought some chocolate and durian cupcakes for $180. Each chocolate cupcake cost $1 and each durian cupcake cost $5. She bought an equal number of the two types of cupcakes. How many cupcakes did she buy altogether?

Ans: _____

4

Questions 41 to 48 carry 3 or 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. (30 marks)

41 Mr Lim bought 3900 g of soil. He poured all the soil equally into 5 pots. The mass of each empty pot is 750 g. Find the mass of each pot with the soil.

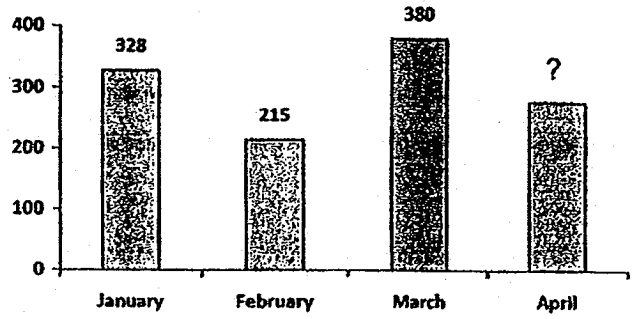
Ans: _____ [3]

42 Peter had 15 identical containers. He filled 700 *ml* of water into each of the first 8 containers and twice as much water into each of the remaining containers. How much water did he use altogether?

Ans: _____ [3]

6

43 The bar graph below shows the number of books donated for 4 months but the number for April was missing. The total number of books donated from January to April was 1200. What was the greatest difference in the number of books donated in any 2 months? Give your answer to the nearest 10.



Ans: _____ [4]

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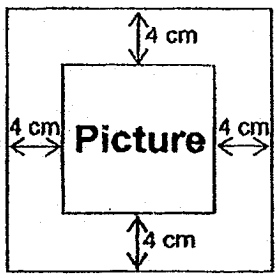
44 In the figure, a picture measuring 17 cm by 17 cm has a border of 4 cm around it. Find the area of the border.



Ans: _____ [4]

8

45 In a hall, there are 85 rows of chairs and each row has 24 chairs. Two of these rows of chairs are brought into an empty classroom and to be re-arranged into rows of 8. How many rows are there in the classroom now?

Ans: _____ [4]

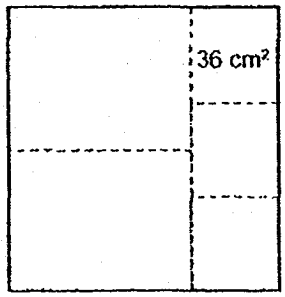
---

46 The total length of 3 sticks is 3 m. The first stick has the same length as the second stick. The third stick is 24 cm longer than the first stick. What is the total length of the first stick and third stick?

Ans: _____ [4]

8

47 A square piece of paper is folded along the dotted lines to form 2 identical rectangles and 3 identical squares as shown in the figure below. The area of 1 square is 36 cm^2. Find the area of 1 rectangle.



Ans: _____ [4]

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48 Jason had three times as many red marbles as blue marbles. During a game, he lost 38 red marbles and won another 44 blue marbles. He then had the same number of red and blue marbles. How many red marbles did he have after the game?

Ans: _____ [4]

End of Paper

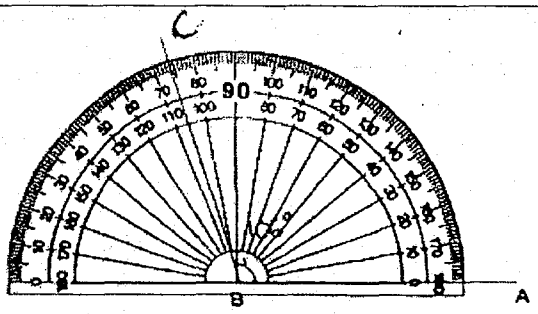
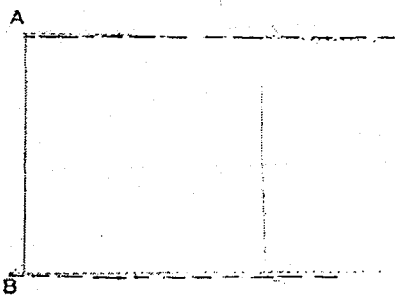
8

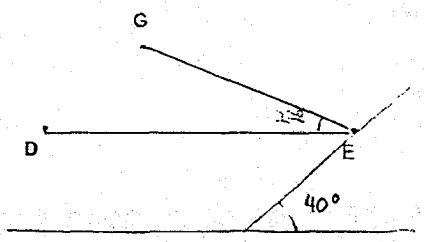
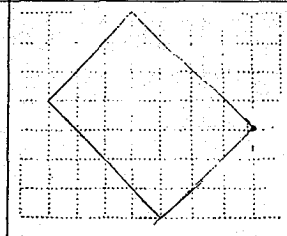
SCHOOL : RED SWASTIKA SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2018 SA1

BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	1	3	3	2	3	4	4	4	3
Q 11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
4	2	3	2	1	3	4	2	1	3

BOOKLET B

Q21)	10 150
Q22)	60 120
Q23)	7 000
Q24)	A and C
Q25)	58 cm
Q26)	South-East
Q27)	
Q28)	

Q29)	$27cm^2$
Q30)	
Q31)	12 : 1, 2, 3, 4, 6, 12 16 : 1, 2, 4, 8, 16 Sum → 1 + 2 + 4 = **7 (Ans)**
Q32)	136 cm^2
Q33)	
Q34)	80 + 70 + 55 + 65 = **270 (Ans)**
Q35)	17970
Q36)	42
Q37)	3 cm
Q38)	13 ÷ 3 = 4 R 1 29 ÷ 3 = 9 R 2 9 x 4 = **36 (Ans)**
Q39)	88 cm
Q40)	21 x 5 = 105 21 x 1 = 21 105 + 21 = 126 30 x 5 = 150 30 x 1 = 30 150 + 30 = 180 30 + 30 = **60 (Ans)**
Q41)	3900 ÷ 5 = 780 780 + 750 = 1530 1530 g = **1 kg 530 g (Ans)**

Q42)	8 x 700 ml = 5600 ml 2 x 700 ml = 1400 ml 7 x 1400 ml = 9800 ml 5600 ml + 9800 ml = **15 400 ml (Ans)**
Q43)	328 + 380 + 215 = 923 1200 – 923 = 277 380 – 215 = 165 165 ≈ **170 (Ans)**
Q44)	17 + 8 = 25 25 x 25 = 625 17 x 17 = 289 625 – 289 = **336 (Ans)**
Q45)	24 x 2 = 48 48 ÷ 8 = **6 (Ans)**
Q46)	3 m → 300 cm 300 cm – 24 cm = 276 cm 276 cm ÷ 2 = 92 cm 92 cm + 24 cm = 116 cm 116 cm + 92 cm = **208 cm (Ans)**
Q47)	6 + 6 + 6 = 18 18 – 6 = 12 18 ÷ 2 = 9 9 x 12 = **108 cm^2 (Ans)**
Q48)	38 + 44 = 82 2u → 82 1u → 82 ÷ 2 = 41 3u → 41 x 3 = 123 123 – 38 = **85 (Ans)**