SA1

RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2021 SEMESTRAL ASSESSMENT 1

MATHEMATICS

Name : _____ ( )

Class : Primary 4 / _____

Date : 11 May 2021

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

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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 57 809 = 50 000 + 7000 + _____ + 9
What is the missing number in the blank?

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

2 In 43 120, the digit _____ is in the hundreds place.

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

3 In which of the following numbers does the digit '3' have the greatest value?

(1) 20 375
(2) 53 870
(3) 70 403
(4) 92 534

4 Which one of the following is the first common multiple of 3 and 9?

(1) 1
(2) 9
(3) 18
(4) 27

5 What is the product of 672 and 34?

(1) 706
(2) 4704
(3) 20 648
(4) 22 848

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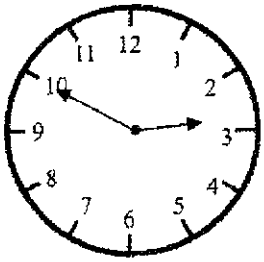
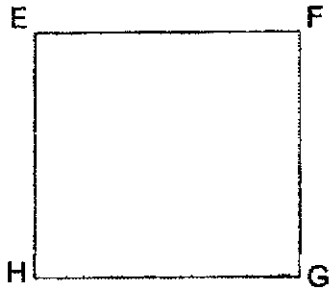
6 What is the time shown on the clock below?



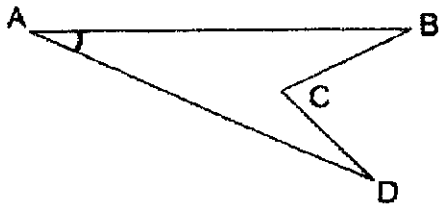
(1) 10 minutes to 3
(2) 10 minutes to 2
(3) 10 minutes past 2
(4) 10 minutes past 3

7 EFGH is a square. Which of the following **incorrectly** describes the square?



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

8 Name the marked angle.



(1) ∠ABC
(2) ∠ADC
(3) ∠BCD
(4) ∠DAB

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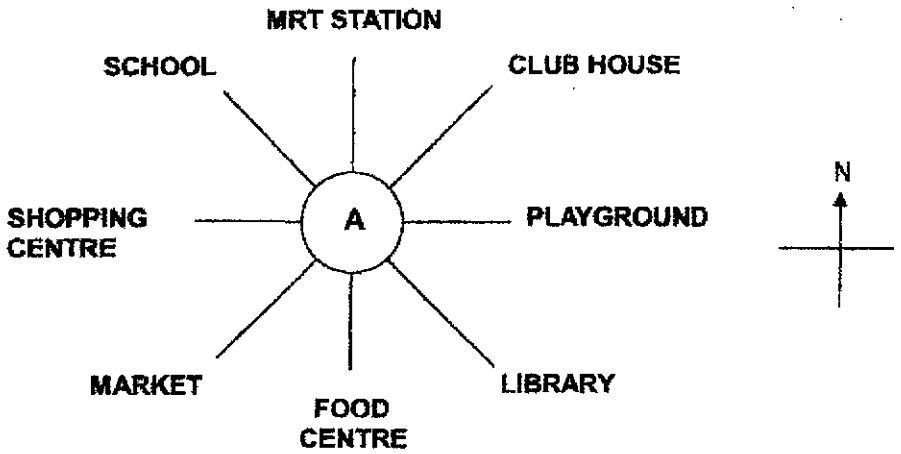
9 The time on a clock is 9.25 p.m. What time will it be if the minute hand turns 180° clockwise?

(1) 9.40 p.m.
(2) 9.55 p.m.
(3) 10.10 p.m.
(4) 10.25 p.m.

Use the following diagram to answer Questions 10 and 11.



10 Alice is standing at the point marked A in the diagram above. She is facing the Club House. Where will she be facing when she turns 135° clockwise?

(1) School
(2) Library
(3) Food Centre
(4) Shopping Centre

11 Bryan was standing at the point marked A in the diagram above. After making a $\frac{3}{4}$ - turn in an anticlockwise direction, Bryan found himself facing south. Which direction was he facing at first?

(1) north
(2) south
(3) east
(4) west

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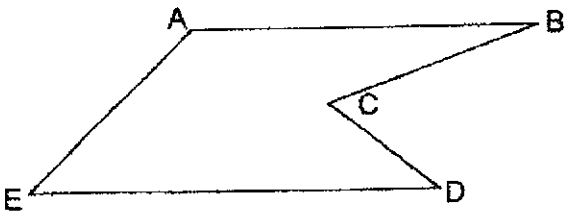
12 A number when rounded to the nearest hundred is 6000. What is the largest possible number?

(1) 5949
(2) 5999
(3) 6049
(4) 6499

13 Charles had 430 cards. When he arranged them equally onto 8 pages of an album, he did not have enough space for some cards. How many cards were not in the album?

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

14 Using a protractor, which angle gives a measurement of 45° in the figure?



(1) ∠BCD
(2) ∠CDE
(3) ∠BAE
(4) ∠AED

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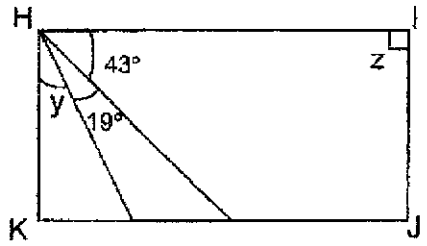
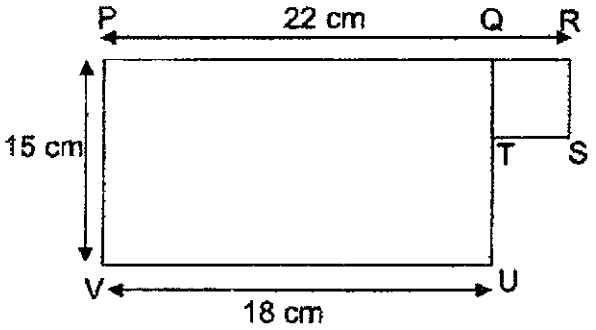
15 In the figure below, HIJK is a rectangle. Find the difference between ∠y and ∠z.



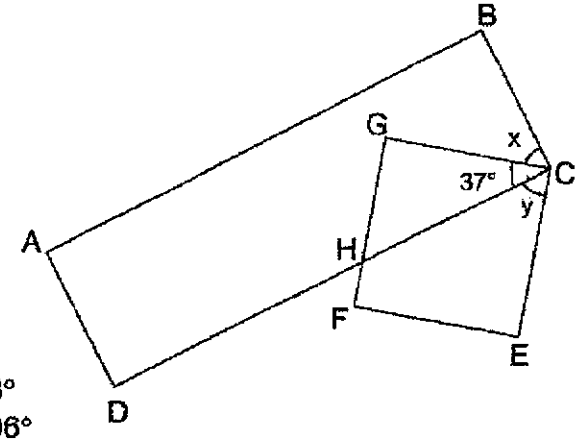
(1) 24°
(2) 28°
(3) 62°
(4) 118°

16 In the figure below, QRST is a square and PQUV is a rectangle. Find the length of TU.



(1) 12 cm
(2) 11 cm
(3) 7 cm
(4) 4 cm

17 The figure below is made up of Rectangle ABCD and Square CEFG. ∠GCH is 37°. Find the sum of ∠x and ∠y.



(1) 53°
(2) 106°
(3) 127°
(4) 143°

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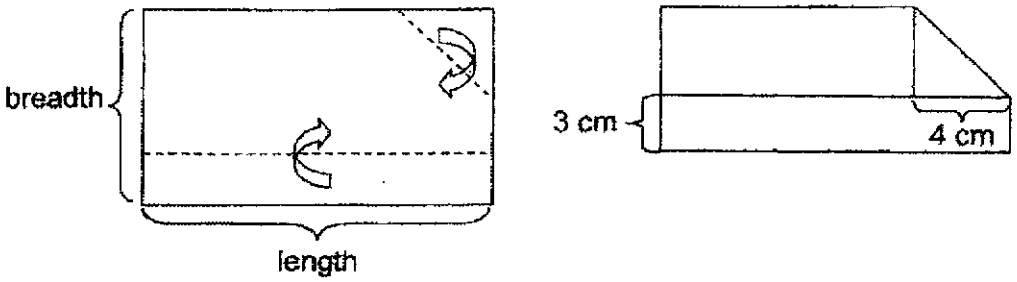
18 There were 2389 more yellow marbles than blue marbles in a box. Another 398 yellow marbles and 594 blue marbles were put into the box. How many more yellow marbles than blue marbles were there in the box in the end?

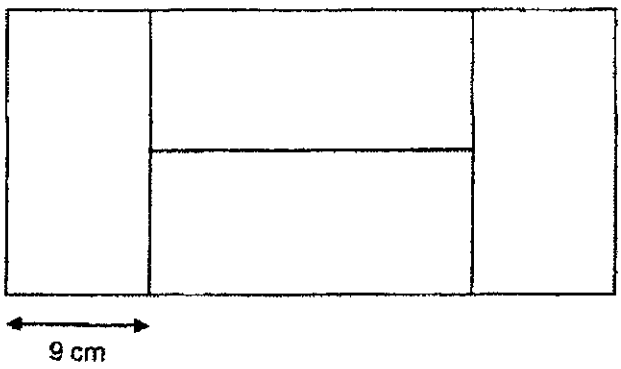
(1) 196
(2) 1991
(3) 2193
(4) 2585

19 A rectangular piece of paper is folded along the dotted lines as shown below. Find the breadth of the rectangular piece of paper.



(1) 12 cm
(2) 10 cm
(3) 7 cm
(4) 4 cm

20 The figure below is made up of 4 similar rectangles. Find the perimeter of the figure.



(1) 54 cm
(2) 108 cm
(3) 144 cm
(4) 162 cm

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MATHEMATICS

Name : _____ ( )

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BOOKLET B

28 Questions
60 Marks

In this booklet, you should have the following:
(a) Page 7 to Page 16
(b) Questions 21 to 48

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

Parent's Signature : _____

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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 Write 90 712 in words.

Ans: _____

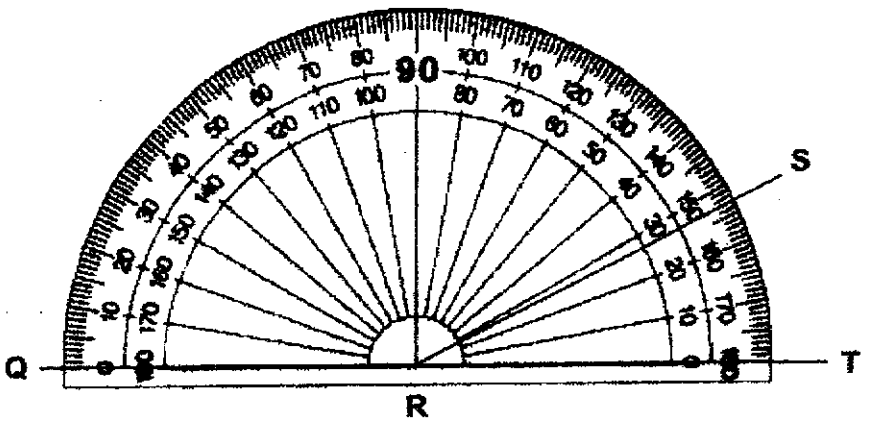
22 Some factors of 28 are 1, 2, 4 and 28. What are the other factors?

Ans: _____ and _____

23 What is the quotient when 6039 is divided by 7?

Ans: _____

24 Use the given protractor to find ∠QRS.



Ans: _____°

4

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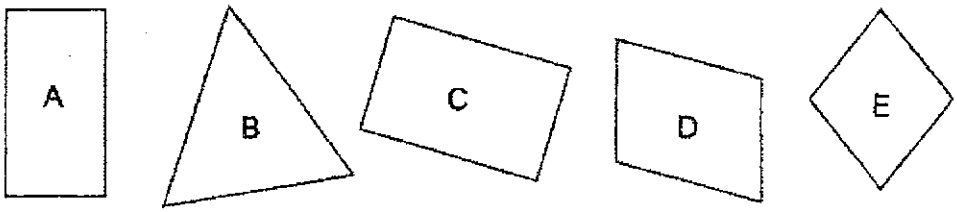
25 Study the shapes below.
Which shapes have all the properties of a rectangle?



Ans: _____ and _____

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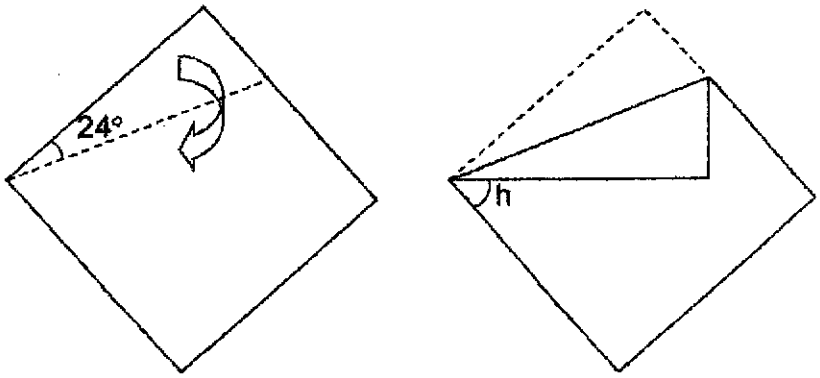
26 David has a piece of square paper. He folded it along the dotted line as shown below. Find ∠h.



Ans: _____ °

---

27 Joe took 20 minutes to draw a picture and another 1 hour 30 minutes to colour the picture. He completed it at 12 noon. At what time did he start to draw his picture?

Ans: _____

3

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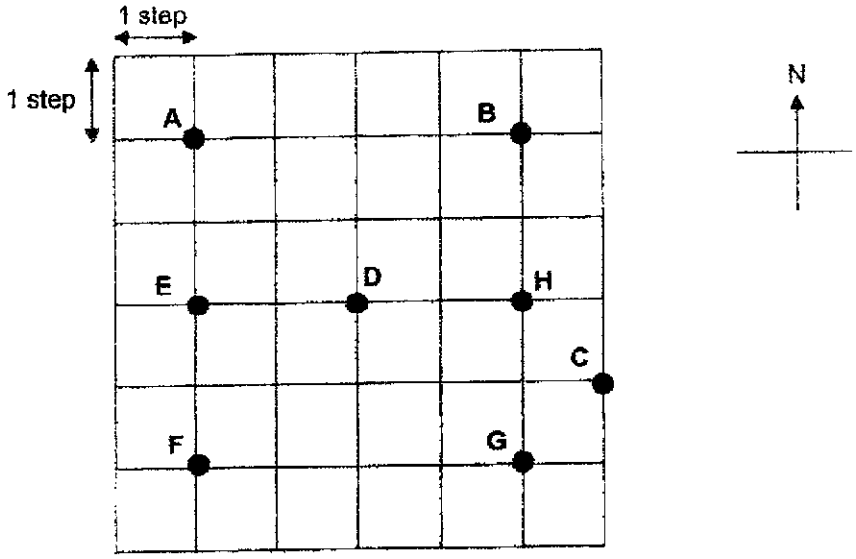
Study the diagram below carefully and use it to answer Questions 28 to 30.



28 Point A is north of Point E. Point C is _____ of Point H.

Ans: _____

---

29 Ethan was standing at Point D. He took 2 steps to the south and then another 2 steps to the east. What was his final position?

Ans: Point _____

---

30 Florence was at a certain position. She moved in the directions as shown below and ended up at Point D.

Move	Direction
1st	3 steps to the south
2nd	2 steps to the west
3rd	1 step to the north

What was her starting position?

Ans: Point _____

3

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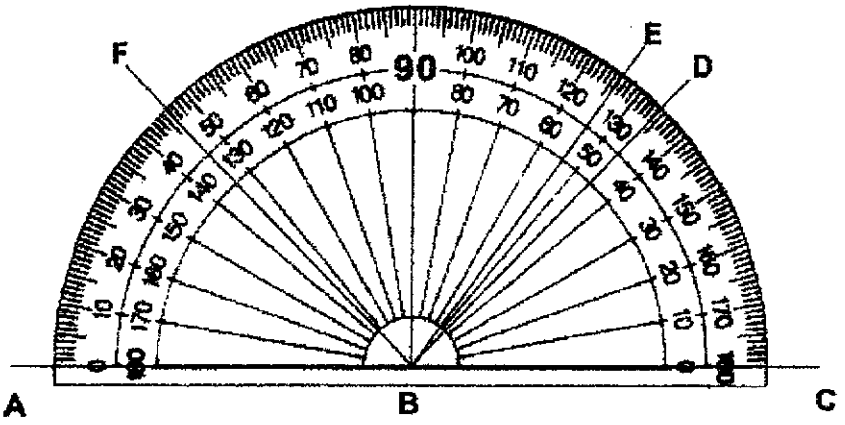
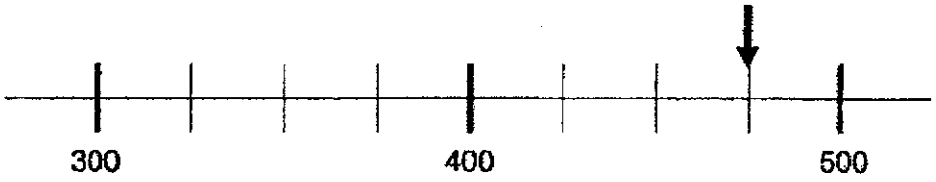
31 Name an angle that is 46°.



Ans: ∠_____

---

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



Ans: _____

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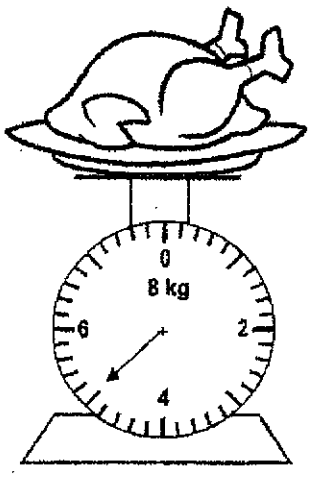
33 What is the mass of the chicken?



Ans: _____ kg

6

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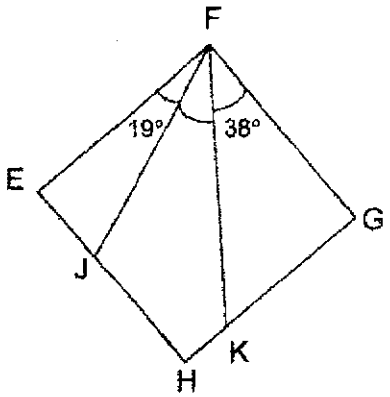
34 In the figure shown below, EFGH is a square. $\angle EFJ = 19°$ and $\angle GFK = 38°$. Find $\angle JFK$.



Ans: _____ °

---

35 The sum of 2 numbers is 422. The difference between these 2 numbers is 96. What is the smaller number?

Ans: _____

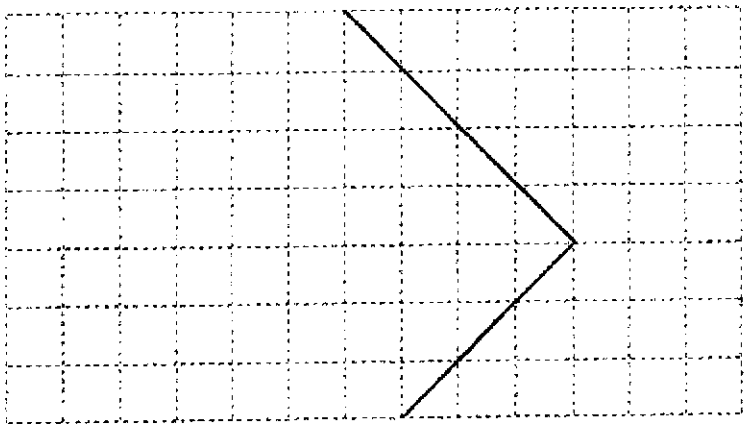
---

36 Mrs Toh's age is the seventh multiple of 6. Her age is 3 times of her daughter's age. How old is her daughter?

Ans: _____

---

37 Complete drawing the rectangle with the given lines.



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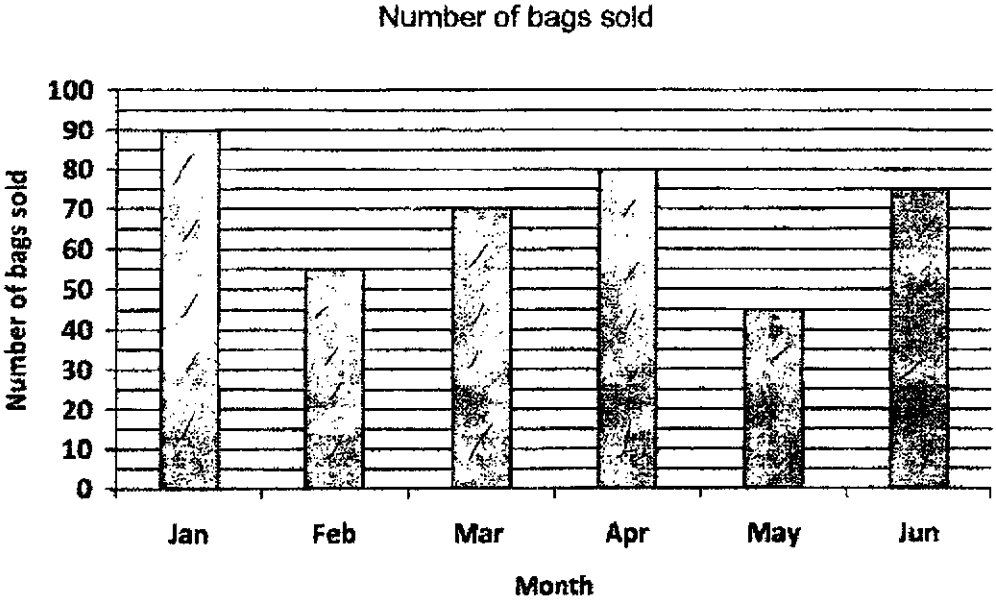
The bar graph below shows the number of bags sold by a shop from January to June. Study the graph carefully and answer Questions 38 and 39.



38 What is the total number of bags sold from January to March?

Ans: _____

---

39 The number of bags sold in January is twice the number of bags sold in _____.

Ans: _____

---

40 A repeated pattern is formed using the letters w to z.
The first 18 letters are shown below.
What is the 48th letter?

w x y z w x y z w x y z w x y z w x ...

1st 2nd 3rd

Ans: _____

6

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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 1846 people attended a concert. There were 289 children. There were 349 more women than men. How many men were there?

Ans: _____ [4]

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

Ans: _____ [4]

8

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43 Helen had 3 fifty-dollar notes. She bought two blouses at $46.50 each. She also bought a pair of shoes. She had $28.60 left. How much did the pair of shoes cost?

Ans: _____ [4]

---

44 Mr Lee wanted to complete 26 laps around the track. Each lap was 400 m. He had completed 7800 m. How much further must he run?

Ans: _____ [3]

7

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45 The length of a rectangle is 10 cm. Its breadth is half of its length. What is the area of the rectangle?

Ans: _____ [3]

46 Claire has 4 times as many stamps as Diana. Claire has twice as many stamps as Eliane. Diana has 201 fewer stamps than Claire. How many stamps do they have altogether?

Ans: _____ [4]

7

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47 Fiona and Nicole have a total of 1197 beads. Nicole and Lydia have a total of 1203 beads. The 3 girls have a total of 1292 beads. How many beads does Nicole have?

Ans: _____ [4]

48 Tank A contained 9 litres of water. After some water was transferred from Tank A to Tank B, Tank A had 4 times as much water as Tank B. If Tank B had 2135 ml of water in the end, how much water was transferred from Tank A to Tank B?

Ans: _____ [4]

End of Paper

8

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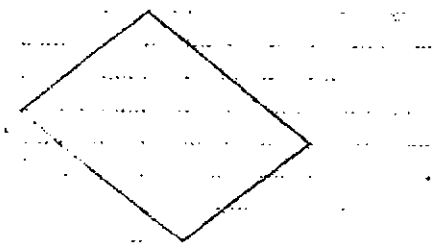
ANSWER KEY

YEAR : 2021
LEVEL : PRIMARY 4
SCHOOL : RED SWASTIKA SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL ASSESSMENT 1

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

Q21	ninety thousand, seven hundred and twelve
Q22	7 and 14
Q23	862
Q24	153°
Q25	A and C
Q26	42°
Q27	10.10 a.m.
Q28	south-east
Q29	Point G
Q30	Point B
Q31	∠ ABF
Q32	475
Q33	5kg
Q34	33°
Q35	163
Q36	7×6=42 42÷3=14 years old
Q37	
Q38	90+70+55=215
Q39	May
Q40	Z

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Q41	To find 2 unit=1557−349 =1208 2 unit=1208 1 unit=1208÷2 =604 They were 604 men.
Q42	800+800=1600 3400−1600=1800 1800÷4=450 muffin Mr Ng baked 450 muffin on Wednesday.
Q43	$46.50×26=$93 $150−$28.60=$121.40 $121.50−$93=$28.40 A pair of shoes cost $28.40
Q44	400×26=10400 10400−7800=2600 He must run 2600m more.
Q45	Breadth=10÷2=5 Area=10×5=50cm^2 The area of the rectangle is 50cm^2
Q46	3u=201 1u=201÷3 =67 7u=67×7=469 They have 469 stamps altogether.
Q47	1203−1197=6 1292−1203=89 1197−89=1108 Nicole have 1108 beads
Q48	2135×4=8540 9000−8540=460 460mℓ water was transferred from Tank A to Tank B.

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