RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2014 SEMESTRAL ASSESSMENT 1

MATHEMATICS

Name : _____ ( )

Class : Primary 4 /_____

Date : 8 May 2014

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)

---

1 In the number 35 872, what is the value of the digit 8?

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

2 Which of the following is the same as 5 thousands and 260 tens?

(1) 2 400
(2) 4 740
(3) 5 260
(4) 7 600

3 Which of the following is the best estimate of 687 x 32?

(1) 600 x 30
(2) 600 x 40
(3) 700 x 30
(4) 700 x 40

4 Which of the following is the first common multiple of 4 and 6?

(1) 1
(2) 2
(3) 12
(4) 24

5 The sum of all the factors of 40 is _____.

(1) 41
(2) 63
(3) 77
(4) 90

Mr Lim has a toy shop. The table below shows the sale of 4 types of toys in May. Use it to answer Questions 6 to 8.

Type of toy	Unit price of each toy	Number of toys sold	Amount collected
A	$55	3	$165
B	$80	9	$720
C	$26	5	$130
D	$48	7	$336

6 How many more Toy B than Toy C were sold?

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

7 What was the total amount collected from the sale of the 3 most expensive types of toys?

(1) $1 015
(2) $1 186
(3) $1 221
(4) $1 351

8 Mr Lim sold thrice the number of the cheapest toy in June than in May. How much did he collect from the sale of that toy in June?

(1) $130
(2) $260
(3) $390
(4) $520

9 Find the product of 29 and 48.

(1) 384
(2) 1 092
(3) 1 384
(4) 1 392

10 _____ is 60 000 when rounded off to the nearest hundred.

(1) 59 850
(2) 59 965
(3) 60 070
(4) 60 120

11 When a number is divided by 7, it has a quotient of 615 and a remainder of 3. What is the number?

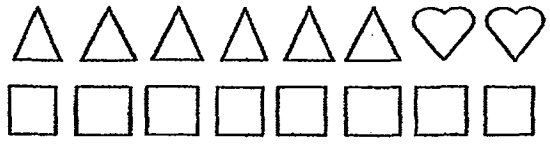
(1) 1 838
(2) 1 852
(3) 4 302
(4) 4 308

12 What is the missing number in the box?

$$4\frac{6}{12} = \frac{\boxed{?}}{12}$$

(1) 10
(2) 18
(3) 48
(4) 54

13 What fraction of the shapes are triangles?

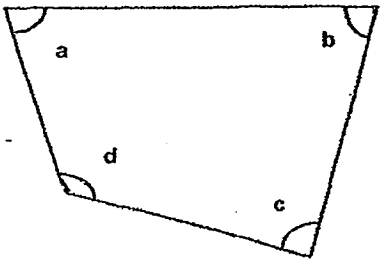


(1) $\frac{1}{2}$
(2) $\frac{2}{3}$
(3) $\frac{3}{5}$
(4) $\frac{3}{8}$

14 Mr Cho bought a pizza. His daughter ate $\frac{1}{4}$ of it. Mr Cho and his son ate $\frac{1}{3}$ of it each. What fraction of the pizza was left?

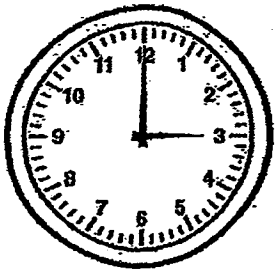
(1) $\frac{1}{12}$
(2) $\frac{5}{12}$
(3) $\frac{5}{7}$
(4) $\frac{7}{10}$

15 In the figure, which angle is greater than a right angle?



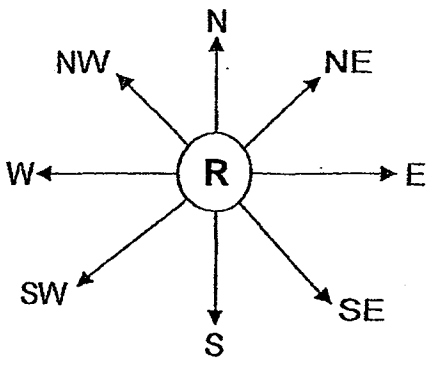
(1) ∠a
(2) ∠b
(3) ∠c
(4) ∠d

16 Richard came home after lunch. He looked at the clock and realised that the time was 20 minutes fast. What should the correct time be?



(1) 2.40 p.m.
(2) 2.50 p.m.
(3) 3.20 p.m.
(4) 3.40 p.m.

Study the diagram below and answer Questions 17 and 18.



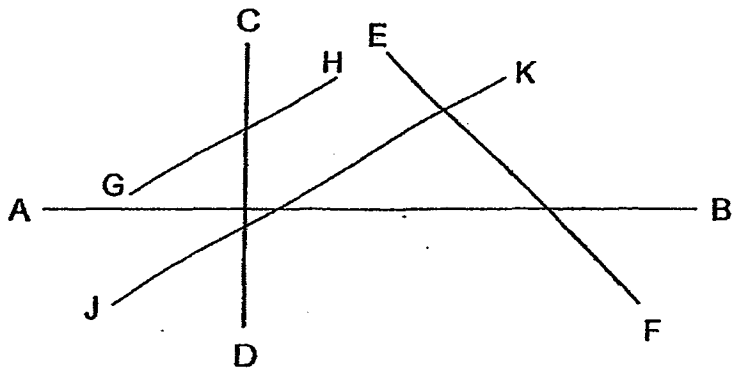
17 Sarah is at Point R facing north-west. She makes a $\frac{1}{4}$-turn anti-clockwise. She will now be facing _____.

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

18 Damien is at Point R facing south-east. He makes a _____ turn in a clockwise direction. He will now be facing north-east.

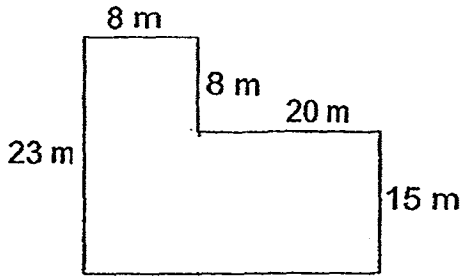
(1) 90°
(2) 180°
(3) 270°
(4) complete

19 In the figure below, which 2 lines are parallel to each other?



(1) GH // JK
(2) EF // JK
(3) AB // CD
(4) CD // GH

20 The figure below shows the outline of a park near Carol's school. She ran round the park once. What was the distance that Carol ran?



(1) 74 m
(2) 82 m
(3) 102 m
(4) 204 m

RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2014 SEMESTRAL ASSESSMENT 1

MATHEMATICS

Name : _____( )

Class : Primary 4 / _____

Date : 8 May 2014

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 : _____

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 thirty thousand, four hundred and nine in numerals.

Ans: _____

22 Divide 153 by 9.

Ans: _____

23 Two factors of 15 are 1 and 15. What are the other two factors of 15?

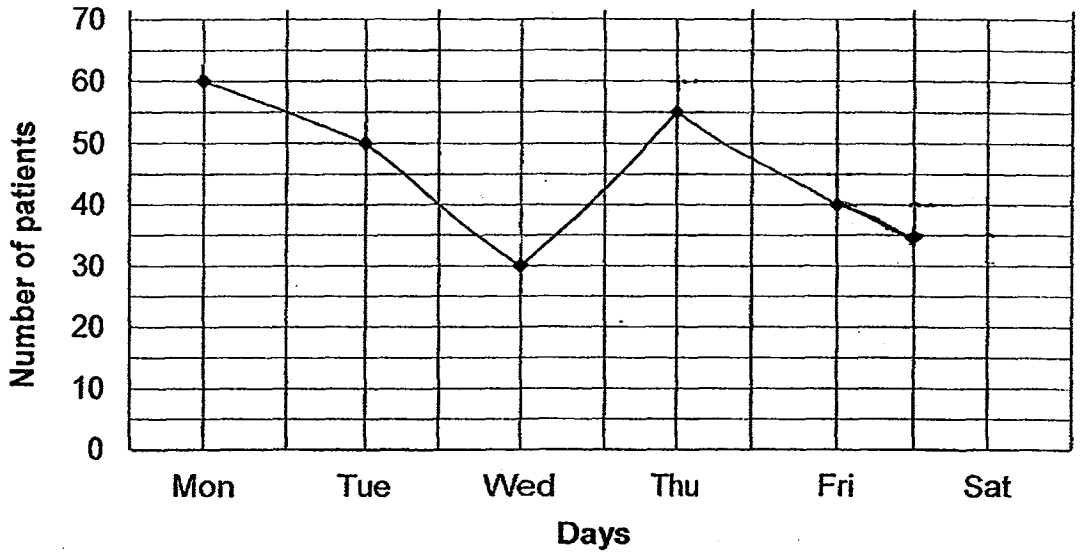
Ans: _____ and _____

24 Express $\frac{31}{4}$ as a mixed number.

Ans: _____

4

Dr Chan works at Spring Clinic. The graph below shows the number of patients who visited him from Monday to Friday. Study the graph carefully and use the information to answer Questions 25 to 27.



25 On which day did the least number of patients visit Dr Chan?

Ans: _____

---

26 There were twice as many patients on _____ than on Wednesday.

Ans: _____

---

27 Dr Chan saw a total of 270 patients from Monday to Saturday. Complete the graph above to represent the number of patients Dr Chan saw on Saturday.

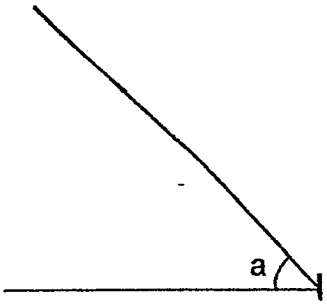
3

28 Mrs Lim earns $5 600 every month. She saves $\frac{2}{5}$ of her salary and spends the rest. How much does she spend every month?

Ans: $ _____

---

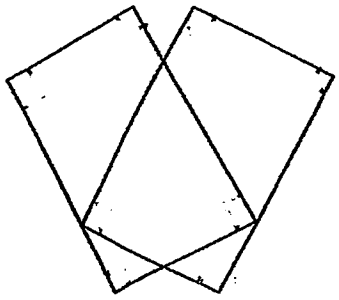
29 Using a protractor, measure the angle marked below.



Ans: _____ °

---

30 How many pairs of perpendicular lines can you find in the figure below?



Ans: _____

3

31 What is the sum of the 2nd and 8th multiple of 9?

Ans: _____

---

32 There were 587 fruits in a shop. 345 of the fruits were sold in the morning. The remaining fruits were packed into boxes of 6. How many fruits were left over?

Ans: _____

---

33 A given number is a multiple of 4. It is between 10 and 20. It is also a factor of 36. What is the number?

Ans: _____

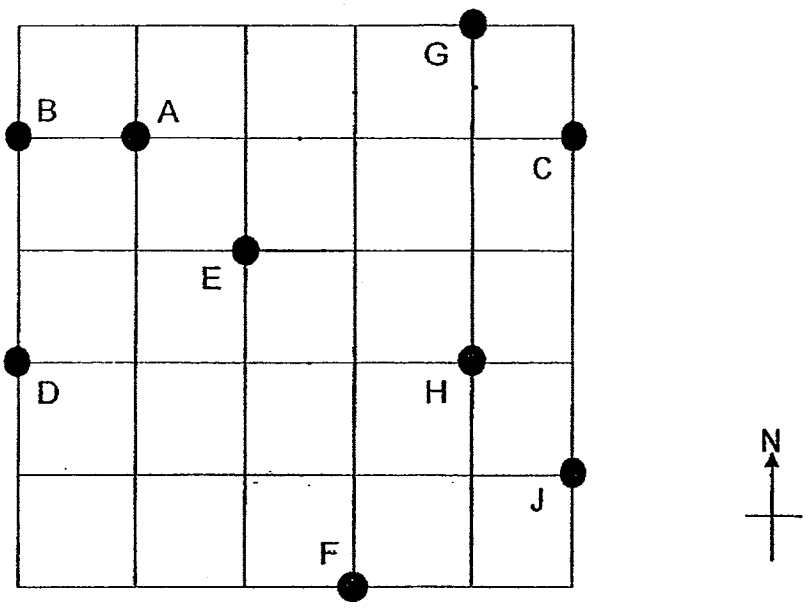
---

34 Subtract $\frac{2}{12}$ from the sum of $\frac{1}{3}$ and $\frac{3}{6}$. (Express your answer as a fraction in its simplest form.)

Ans: _____

8

Study the diagram below carefully and use it to answer Questions 35 and 36.



35 Catherine was standing at Point F. She took 4 steps to the north, then 2 steps to the east. What was her final position?

Ans: _____

---

36 Keith was at a certain position. He made 4 moves as listed below and ended at Point G.

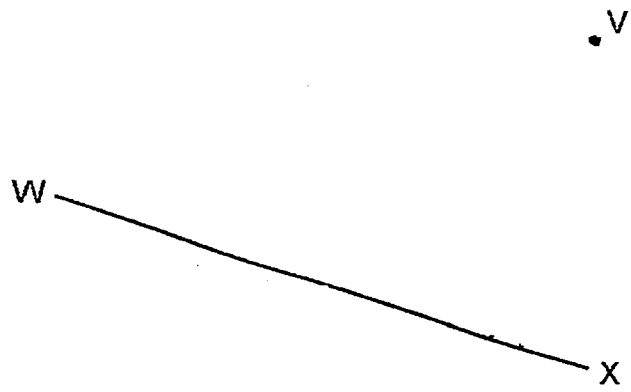
1st move : 1 step to the west
2nd move : 2 steps to the south
3rd move : 4 steps to the east
4th move : 3 steps to the north

What was his starting point?

Ans: _____

4

37 Draw a line perpendicular to WX passing through point V.



---

38 I am a 3-digit number. All my three digits are different. The sum of the digits in the hundreds and tens place is 3 more than the digit in the ones place. I am 290 when rounded off to the nearest ten. What number am I?

Ans:

---

39 Find the value of $7 - \frac{3}{5} - \frac{4}{10}$.

Ans: _____

---

40 How many two-dollar notes can I exchange with 60 fifty-cent coins?

Ans:

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 Ben takes 15 minutes to travel from home to his school. Edwin takes 3 times as long as Ben to travel from home to school. What time must Edwin leave his home to reach his school at 7.10 a.m.?

Ans : _____ [3]

---

42 Mr Chan wants to paint a rectangular wall which measures 5 m by 4 m. It costs \$7 to paint 1 m^2 of the wall. How much will it cost to paint the rectangular wall?

Ans : _____ [3]

---

43 Clare bought some eggs. She accidentally dropped the eggs and $\frac{1}{4}$ of them broke while she was walking home.

(a) What fraction of the eggs were not broken?

(b) If 18 eggs were broken, how many eggs did Clare buy?

Ans : (a) _____ [2]

(b) _____ [2]

---

44 A box containing 8 packets of cookies has a mass of 3 750 g. The same box containing 3 similar packets of cookies has a mass of 2 125 g. What is the mass of the empty box?

Ans : _____

8

45 Dominic has some marbles. If he packs them into packets of 8, there will be no marbles left over. If he packs them into packets of 9, he will have 1 extra marble. What is the least possible number of marbles Dominic has?

Ans : _____ [4]

---

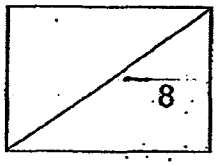
46 Jeanette and Nicole have a total of 197 stickers. Nicole and Scarlett have a total of 203 stickers. The 3 girls have a total of 292 stickers.

(a) How many stickers does Scarlett have?

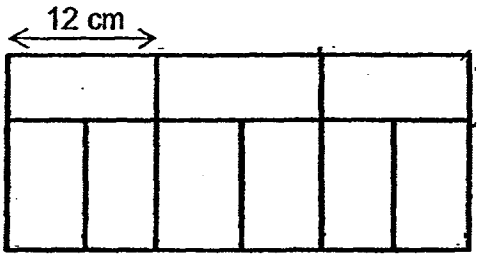
(b) How many stickers does Jeanette have?

Ans: (a) _____ [2]

(b) _____ [2]



47 The figure below is made up of 9 identical rectangles. The length of each rectangle is 12 cm. Find the area of the whole figure.



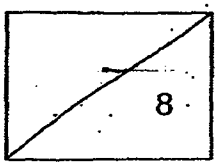
Ans : _____ [4]

---

48 Amanda had $469. Her brother, Luke, had $144. Both of them bought presents that cost the same for their father on Father's Day. The amount of money that Luke had left after buying the present was $\frac{1}{6}$ of what Amanda had left. What was the cost of the present?

Ans : _____ [4]

End of paper



Answer Ke

EXAM PAPER 2014
SCHOOL : RED SWASTIKA
PRIMARY : P4
SUBJECT : MATHEMATICS
TERM : SA1

BOOKLET A

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

Q18	Q19	Q20
2	1	3

BOOKLET B

21. 30409

22. 17

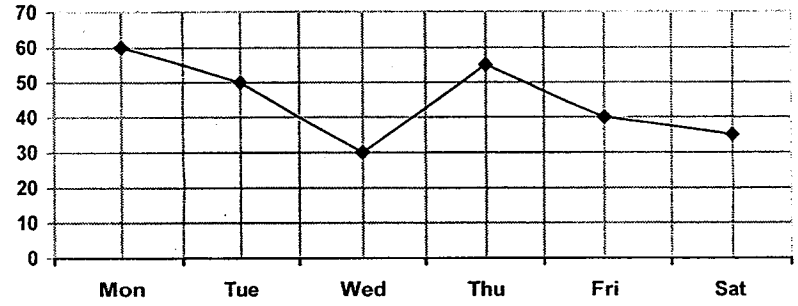
23. 3 & 5

24. 7 ¾

25. Wednesday

26. Monday

27.



28. 3360

29. 45

30. 8

31. 90

32. 2

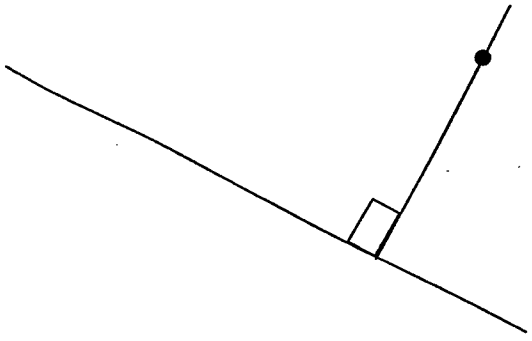
33. 12

34. 2/3

35. C

36. A

37.



38. 287

39. 6

40. 15

41. 15x3=45
    7.10am – 45min = 6.25am
Ans: 6.25am

42. 5x4=20
    20x7=140
Ans: $140

43. a) 1 – ¼ = ¾
    b) 18x4=72
Ans: a) ¾
     b) 72

44. 3750 – 2125= 1625
    1625÷5 = 325
    325x3= 975
    2125 – 975 =1150

45. Multiples of 8: 8,16,24,32,40,48,56,64
    Multiples of 9 +1: 10, 19, 28, 37,46, 55, 64
Ans: 64

46. a) 292 – 197 = 95
    b)292 – 203 = 89
Ans: a) 95
     b) 89

47. 12x3=36
    6+12=18
    36x18=648
Ans: 648cm²

48. 144x6=864
    864 – 469 =395
    395÷5=79
Ans: $79