

2016 SEMESTRAL ASSESSMENT 2

MATHEMATICS

Name : _____ ()

Class : Primary 3 / _____

Date : 26 October 2016

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**

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

1 In 4 910, the digit 9 is in the _____ place.

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

2 5 groups of 7 is the same as _____.

- (1) $7 \times 7 \times 7 \times 7 \times 7$
- (2) $7 + 7 + 7 + 7 + 7$
- (3) $5 \times 5 \times 5 \times 5 \times 5$
- (4) $5 + 5 + 5 + 5 + 5$

3 5 049 has the same value as _____.

- (1) $500 + 40 + 9$
- (2) $500 + 400 + 9$
- (3) $5\,000 + 40 + 9$
- (4) $5\,000 + 400 + 9$

4 Study the number pattern below. What is the missing number in the pattern?

1 015, 1 025, 1 045, 1 075, _____, 1 165

- (1) 1 085
- (2) 1 095
- (3) 1 105
- (4) 1 115

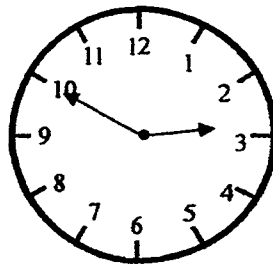
5 Divide 609 by 6 and the quotient is _____.

- (1) 11
- (2) 101
- (3) 3
- (4) 3 654

6 How many metres are there in 8 km 5 m?

- (1) 85 m
- (2) 805 m
- (3) 8 005 m
- (4) 8 050 m

7 The time shown on the clock is _____.



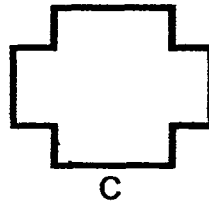
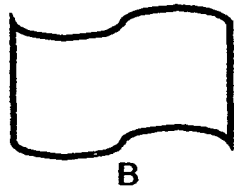
- (1) 10 minutes to 3
- (2) 50 minutes to 2
- (3) 10 minutes past 3
- (4) 50 minutes past 3

8 Jonathan has the total amount of money shown below. How much does he have?



- (1) \$27.20
- (2) \$29.20
- (3) \$32.20
- (4) \$42.20

9 Which two figures below have perpendicular lines?



- (1) A and D
- (2) B and C
- (3) A and C
- (4) B and D

10 Which of the following is not equivalent to $\frac{6}{8}$?

- (1) $\frac{3}{4}$
- (2) $\frac{12}{16}$
- (3) $\frac{16}{18}$
- (4) $\frac{18}{24}$

11 Ryan has 3 869 stickers. Renee has 2 242 stickers. How many stickers do they have altogether?

- (1) 1 627
- (2) 1 647
- (3) 6 111
- (4) 6 131

12 Mr Lee had 85 mangoes. He packed the mangoes equally into 8 boxes and had 5 mangoes left. How many mangoes did he put in one box?

- (1) 5
- (2) 8
- (3) 10
- (4) 11

13

$$\star + \text{😊} = 54$$

$$\star + \star + \text{😊} = 76$$

What is the value of 😊 ?

- (1) 11
- (2) 22
- (3) 27
- (4) 32

14

The mass of 4 similar durians is 3 400 g. What is the mass of two such durians?

- (1) 850 g
- (2) 850 kg
- (3) 1 kg 70 g
- (4) 1 kg 700 g

15

Justin, Max and Nathan share 325 marbles. Max has 25 marbles more than Justin but 20 marbles less than Nathan. How many marbles does Max have?

- (1) 85
- (2) 110
- (3) 130
- (4) 280

16

Siti's mass is 27 kg. Her father is 3 times as heavy as Siti. How much heavier is Siti's father than she?

- (1) 9
- (2) 30
- (3) 54
- (4) 81

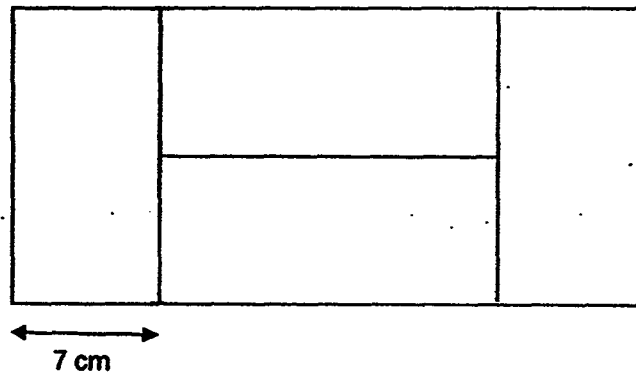
- 17 Clare had twice as many stamps as Daphe. After Clare gave Daphe 7 stamps, both of them had the same number of stamps. How many stamps did Clare have at first?

(1) 14
(2) 21
(3) 28
(4) 35

- 18 Lina had 11 coins which consisted of twenty-cent and ten-cent coins. She had a total of \$1.80. How many twenty-cent coins did she have?

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

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



(1) 42 cm
(2) 84 cm
(3) 112 cm
(4) 126 cm

20 Which two fractions add up to a whole and give a difference of $\frac{1}{3}$?

(1) $\frac{3}{8}$ and $\frac{7}{8}$

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

(3) $\frac{2}{6}$ and $\frac{4}{6}$

(4) $\frac{1}{2}$ and $\frac{1}{6}$

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MATHEMATICS

Name : _____ ()

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BOOKLET B

25 Questions

60 Marks

In this booklet, you should have the following:

(a) Page 7 to Page 15

(b) Questions 21 to 45

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

Section B : Short-Answer Questions

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 How many hundreds are there in 3 700?

Ans: _____

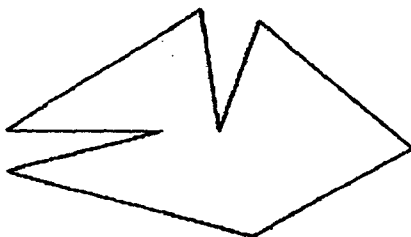
22 What is the sum of 5 thousands, 34 hundreds and 68 tens?

Ans: _____

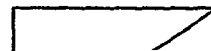
23 What is the product of 489 and 9?

Ans: _____

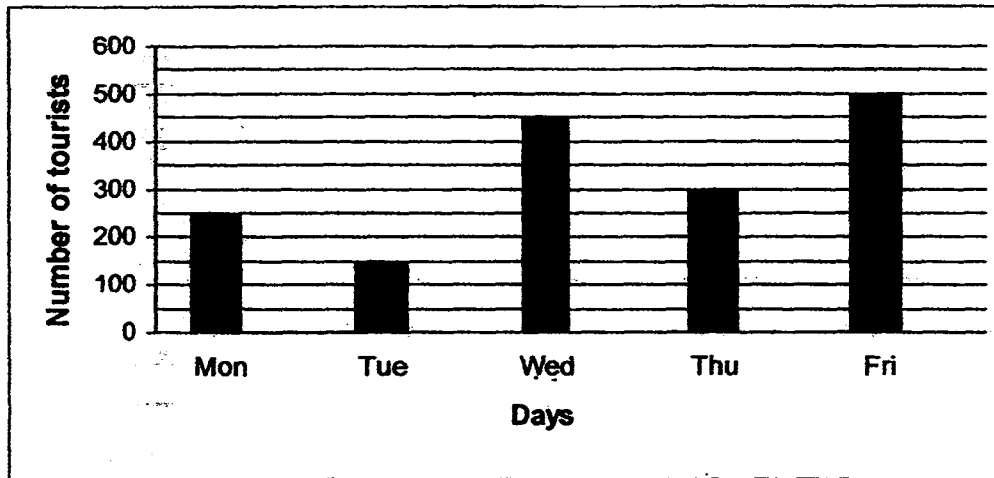
24 How many angles inside the figure are smaller than a right angle?



Ans: _____



The bar graph shows the number of tourists who visited the bird park from Monday to Friday. Study the graph and answer Questions 25 to 27.



- 25 What was the total number of tourists who visited the bird park from Wednesday to Friday?

Ans: _____

- 26 On which day were there twice as many as tourists as on Monday?

Ans: _____

- 27 The total number of tourists who visited the bird park on two days was the same as Wednesday. Which were the two days?

Ans: _____ and _____

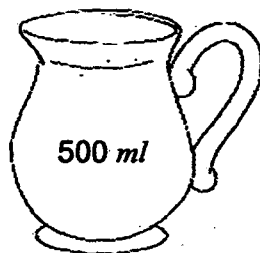
- 28 I am a 3-digit number. The digit in the tens place is the largest odd number. The digit in the hundreds place has a value of 400. The digit in the ones place is twice the digit in the hundreds place. What number am I?

Ans: _____

- 29 Peter is 18 cm taller than Jordan. The sum of Peter's height and Jordan's height is 292 cm. What is Jordan's height?
(Give your answer in m and cm.)

Ans: _____ m _____ cm

- 30 The capacity of a jug and a mug are as shown below:



jug

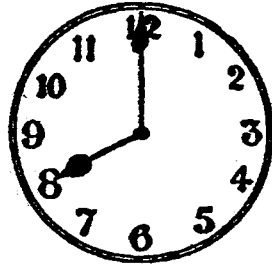


mug

Mrs Chan will need 6 jugs and _____ mugs of water to fill a tank of capacity 3 450 ml.

Ans: _____

- 31 Shanel came home from a party and noticed that the clock on the wall was 20 minutes faster. What should the correct time be?



Ans: _____ p.m.

- 32 Hassan spent \$45.45 on two items. Which of the two items did he buy?



Hat
\$9.80



Shoes
\$11.65



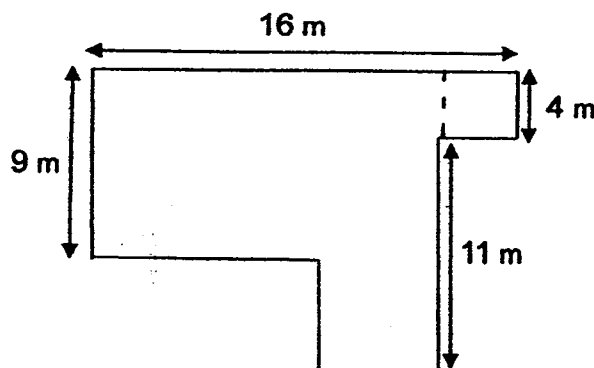
Pants
\$35.65



Watch
\$22.75

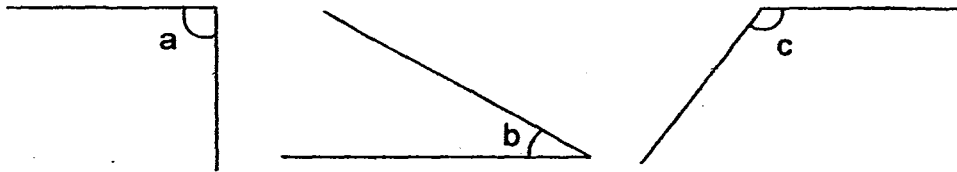
Ans: _____ and _____

- 33 The figure below shows the outline of a nearby park near Mr Kwa's house. He ran round the park twice. What was the distance that Mr Kwa ran?



Ans: _____ m

- 34 Look at the angles below. Arrange them in order beginning with the greatest.



Ans: $\angle$ _____ , $\angle$ _____ , $\angle$ _____
(greatest) (smallest)

- 35 What is the missing number in the box?

$$\frac{2}{10} + \frac{\boxed{?}}{5} = 1$$

Ans: _____

- 36 Arrange the fractions in order beginning with the greatest.

$$\frac{1}{2}, \frac{5}{6}, \frac{7}{12}$$

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

- 37 The figure below is made up of identical squares. Nathalie has to shade $\frac{2}{3}$ of the figure. How many more squares must she shade?



Ans: _____

- 38** Mrs Lee bought a box of 226 erasers. She gave each of her students 6 erasers and realised that she had 4 erasers left. How many students did Mrs Lee have?

Ans: _____

- 39** In a stadium, there were 651 girls and 97 boys. How many boys must join them so that the number of boys would be twice the number of girls?

Ans: _____

- 40** Caroline had thrice as many sweets as Betty. Betty had twice as many sweets as Alice. If the three children had 171 sweets altogether, how many sweets did Caroline have?

Ans: _____

Section C : Long-Answer / Structured Questions

For questions 41 to 45, show your working clearly in the space below each question and write your answers in the spaces provided.

(20 marks)

-
- 41 A baker had some eggs to bake cakes. He broke 48 of the eggs and bought another 89 more. In the end, he had 365 eggs. How many eggs did he have at first?

Ans: _____ [4]

-
- 42 Bobby started a game of soccer with his friends at 5.30 p.m. After the game, he rested for 20 minutes before heading home at 7.25 p.m. How long was his soccer game? (Give your answer in h and min)

Ans: _____ [4]

- 43** Durians were sold at \$60 for 3 kg. A durian seller sold 27 kg of durians. How much money did the durian seller collect after selling 27 kg of durians?

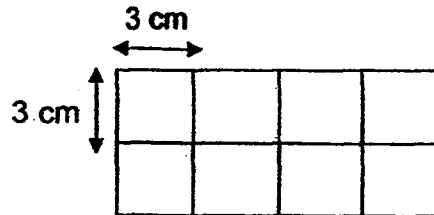
Ans: _____ [4]

- 44** A total of 348 red beads and 280 blue beads were used to make 7 bracelets. There was an equal number of beads on each bracelet. How many beads were left over?

Ans: _____ [4]



- 45 Alan used 8 square cards to form a rectangle. Each side of the square card is 3 cm. What is the area of the rectangle formed?



Ans: _____ [4]

End of Paper
Have you checked your paper? ☺



EXAM PAPER 2016

LEVEL : PRIMARY 3

SCHOOL : RED SWASTIKA SCHOOL

SUBJECT : MATHS

TERM : SA2

Q 1	Q 2	Q 3	Q 4	Q 5	Q 6	Q 7	Q 8	Q 9	Q 10
3	2	3	4	2	3	1	2	3	3
Q 11	Q 12	Q 13	Q 14	Q 15	Q 16	Q 17	Q 18	Q 19	Q 20
3	3	4	4	2	3	3	2	2	3

Q21. 37 Q22. 9080 Q23. 4401 Q24. 5 Q25. 1250 Q26. Friday

Q27. Thursday and Tuesday Q28. 498 Q29. 1m 37cm Q30. 9 Q31. 7.40pm

Q32. Hat and pants Q33. 124m Q34. C, A, B Q35. 4 Q36. $\frac{5}{6}, \frac{7}{12}, \frac{1}{2}$ Q37. 5

Q38. 37 Q39. 1205 Q40. 114

Q41. $365 - 89 = 276$
 $276 + 48 = 324$ Answer: 324

Q42. $1\text{h} + 30\text{min} + 5\text{min} = 1\text{h } 35\text{min}$ Answer: 1h 35min

Q43. $1\text{kg} = 60 \div 3 = 20$
 $27 \times 20 = 540$ Answer: \$540

Q44. $348 + 280 = 628$
 $628 \div 7 = 89 \text{ R}5$ Answer: 5

Q45. $3\text{cm} \times 4 = 12\text{cm}$
 $3\text{cm} \times 2 = 6\text{cm}$
 $12\text{cm} \times 6\text{cm} = 72\text{cm}^2$ Answer: 72cm^2

