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2019 SEMESTRAL ASSESSMENT 2

MATHEMATICS

Name : _____ ( )

Class : Primary 3 / _____

Date : 25 October 2019

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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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 8675, the digit 8 is in the _____ place.

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

2 The value of the digit 5 in 3564 is _____.

(1) 5
(2) 50
(3) 500
(4) 5000

3 Express 12 tens and 4 thousands in numerals.

(1) 124
(2) 412
(3) 4012
(4) 4120

4 $\square - 140 = 3009$

What is the missing number in the box?

(1) 1609
(2) 2869
(3) 3149
(4) 4409

5 How many hundreds are there in 5600?

(1) 5
(2) 6
(3) 56
(4) 560

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6 I think of a number and I multiply it by 8. The answer is 48. What is the number?

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

7 What is the remainder when 997 is divided by 6?

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

8 Which of the following is the same as 5030 m?

(1) 5 km 3 m
(2) 5 km 30 m
(3) 50 km 3 m
(4) 50 km 30 m

9 Which one of the following correctly tells the time on the clock?

(1) 3.14 p.m.
(2) 4.54 p.m.
(3) 6 minutes to 3
(4) 6 minutes to 4

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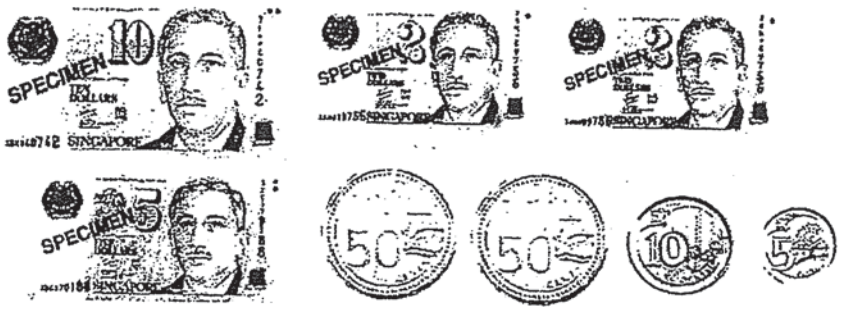
10 What is the amount of money shown below?

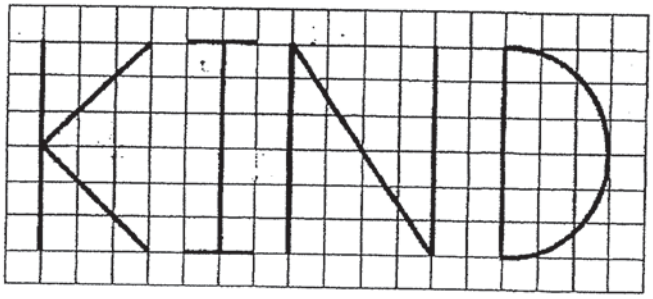


(1) $19.15
(2) $19.65
(3) $20.15
(4) $20.65

11 Subtract 30¢ from $61.20.

(1) $31.20
(2) $60.90
(3) $61.50
(4) $91.20

12 How many letter(s) below has/have at least a pair of perpendicular lines?



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

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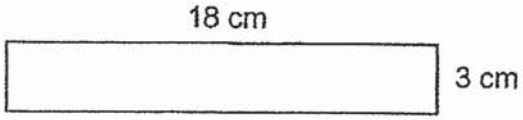
13 Find the perimeter of the rectangle shown below.



(1) 21 cm
(2) 39 cm
(3) 42 cm
(4) 54 cm

14 What is the missing numerator and denominator in the boxes?

$$\frac{3}{4} = \frac{\square}{12} = \frac{18}{\square}$$

(1) Numerator : 9 , Denominator : 36
(2) Numerator : 9 , Denominator : 24
(3) Numerator : 15 , Denominator : 36
(4) Numerator : 15 , Denominator : 24

15 Cheryl ate $\frac{1}{3}$ of a pizza. Denzel ate $\frac{2}{9}$ of the same pizza. What fraction of the pizza did they eat altogether?

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

(2) $\frac{5}{18}$

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

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

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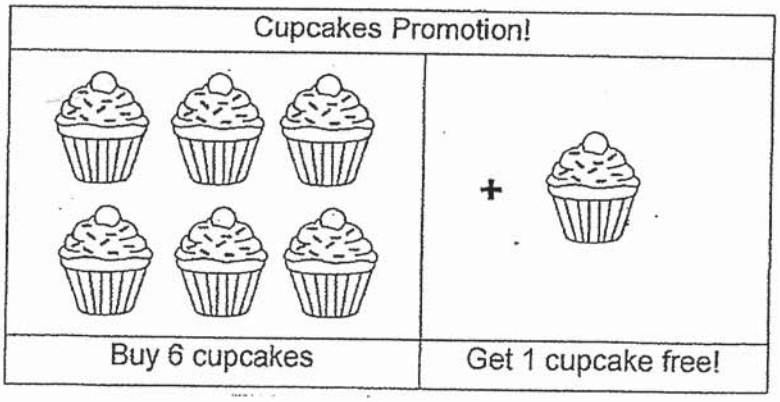
16 Janice had $2000. She spent $220 on transport and twice as much on food. How much money had she left?

(1) $1340
(2) $1560
(3) $1780
(4) $2220

17 Benny and Charmaine collected 138 stickers altogether. Charmaine collected 64 more stickers than Benny. How many stickers did Benny collect?

(1) 37
(2) 74
(3) 101
(4) 202

18 A shop was having promotion for cupcakes. For every 6 cupcakes bought, 1 cupcake would be given free. Mrs Chan paid for 18 cupcakes. How many cupcakes would she have in all?



(1) 19
(2) 20
(3) 21
(4) 22

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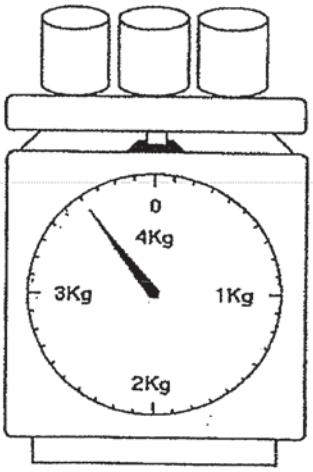
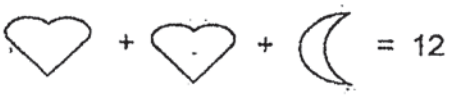
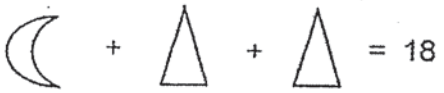
19 The diagram below shows the mass of 3 identical containers.

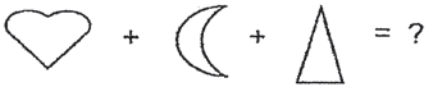


Find the mass of 2 such containers.

(1) 1200 g
(2) 2400 g
(3) 3600 g
(4) 4400 g

20 Given  = 12

 = 18

 = ?

What number does stand for?

(1) 14
(2) 15
(3) 16
(4) 30

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2019 SEMESTRAL ASSESSMENT 2

MATHEMATICS

Name : _____ ( )

Class : Primary 3 / _____

Date : 25 October 2019

BOOKLET B

25 Questions
60 Marks

In this booklet, you should have the following:
(a) Page 7 to Page 19
(b) Questions 21 to 45

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

Parent's Signature : _____

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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 What is the smallest 4-digit even number that can be formed using 6, 3, 4, 7?

Ans: _____

22 Find the product of 304 and 9.

Ans: _____

23 Find the difference between 1008 and 12.

Ans: _____

6

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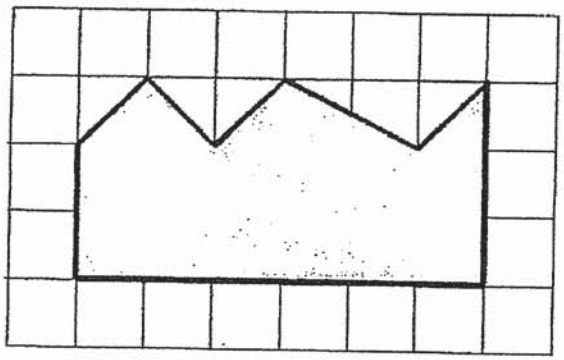
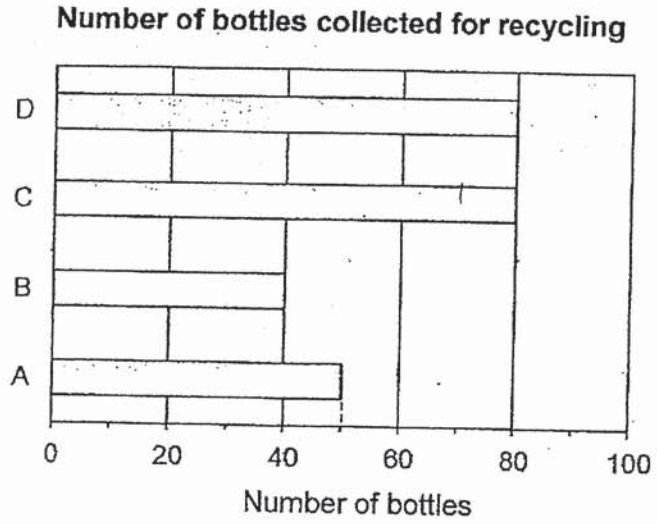
24 How many right angles are there in the shaded figure below?



Ans: _____

---

25 The bar graph below shows the number of bottles collected by 4 classes, A, B, C and D, for recycling.



How many bottles did the 4 classes collect in all?

Ans: _____

4

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26 Look at the numbers below.

4030, 3440, 3044, 4003

Find the sum of the greatest and the smallest numbers.

Ans: _____

27 Mindy spilled some ink on her worksheet. What was the number covered by the ink?

$$
\begin{array}{r}
1\,0\,0 \\
8\overline{)\,\blacksquare\blacksquare\blacksquare} \\
\underline{8} \\
0\,0 \\
\underline{0} \\
0\,3 \\
\underline{0} \\
3
\end{array}
$$

Ans: _____

28 There were 548 boys and 372 girls in the hall. 100 children left the hall. How many children were there remaining in the hall?

Ans: _____

6

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29 Study the pattern below. What is the missing number?

21, 122, 223, _____, 425

Ans: _____

---

30 Ian is 140 cm tall. Janice is 10 cm taller than Ian. Find their total height in metres and centimetres.

Ans: _____ m _____ cm

---

31 There was 560 mℓ of water in a flask. 3 more cups of water is needed to fill the flask completely. Given that the capacity of the flask is 2 ℓ, find the capacity of each cup in millilitres.

Ans: _____ mℓ

6

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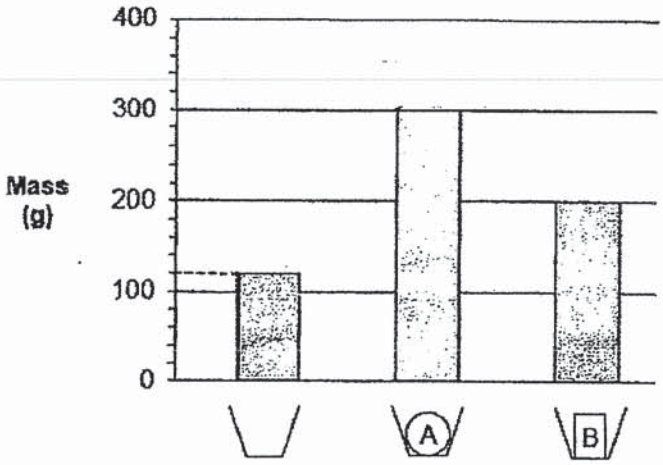
The bar graph below shows the mass of a cup when empty and when different objects A and B are placed in the cup. Use the information to answer questions 32 and 33.



32 Find the mass of object A.

Ans: _____ g

---

33 How much heavier is object A than object B?

Ans: _____ g

4

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34 Andrew left his home at 2.30 p.m. to watch a show at a cinema. He took 1 h 30 min to reach the cinema and was 10 minutes late for the show. What time did the show start?

Ans: _____ p.m.

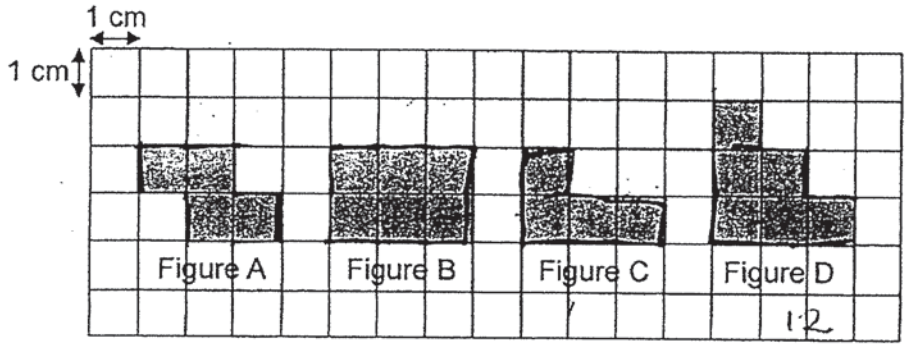
---

35 A bag cost $54. A dress is $8.10 cheaper than the bag. Find the cost of the dress.

Ans: $ _____

---

36 Study the figures below.



Which two figures have the same area but different perimeter?

Ans: _____

6

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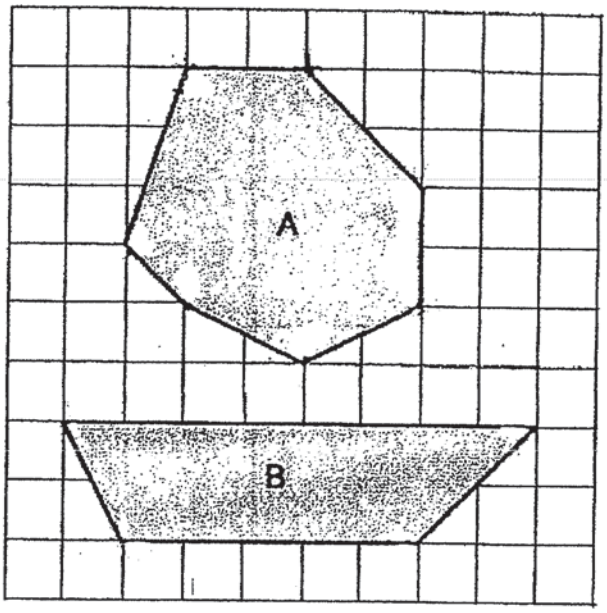
37 Study Figure A and Figure B below.

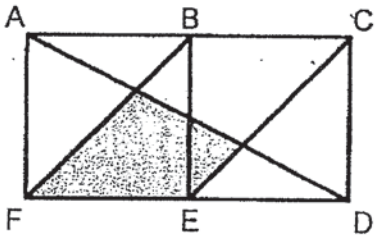


How many more angles are there in Figure A than in Figure B?

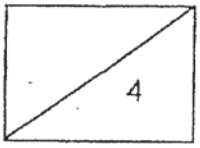
Ans: _____

---

38 The figure below is made up of two identical squares ABEF and BCDE. What fraction of the figure ACDF is shaded?



Ans: _____



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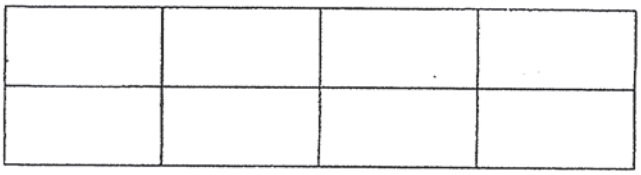
39 Arrange the following fractions from the smallest to the greatest.

$$\frac{1}{10}, \frac{1}{2}, \frac{2}{5}$$

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

---

40 Ali, Bala and Chris shared a chocolate bar. The chocolate bar was cut into 8 equal pieces as shown below. Ali ate $\frac{3}{8}$ of the chocolate bar. Bala ate the greatest portion of the chocolate bar. The three of them ate the whole chocolate bar.



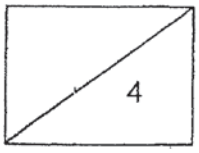
Each statement below is either true or false. For each statement, write ' **T** ' if the statement is true and ' **F** ' if the statement is false.

(a) Bala and Chris ate $\frac{5}{8}$ of the chocolate bar in all.

Ans: _____

(b) Chris ate a bigger portion of the chocolate bar than Ali.

Ans: _____



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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 Mrs Tan had 3 boxes of spoons. Each box contained 150 spoons. She repacked the spoons equally into 7 containers.

(a) How many spoons did she have altogether?

(b) How many spoons were left unpacked?

Ans: (a) _____ [2]

(b) _____ [2]

4

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42 There was an equal number of students in classes A and B. After 12 students moved from Class A to Class B, there were 40 students in Class B.

(a) How many more students were there in Class B than A in the end?

(b) How many students were there in Class A in the end?

Ans: (a) _____ [2]

(b) _____ [2]

4

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43 Mrs Devi took 20 minutes to sew a dress. She was paid $9 for an hour of work.

(a) How many such dresses did she sew in 1 hour?

(b) How much did she earn for sewing 6 such dresses?

Ans: (a) _____ [2]

(b) _____ [2]

4

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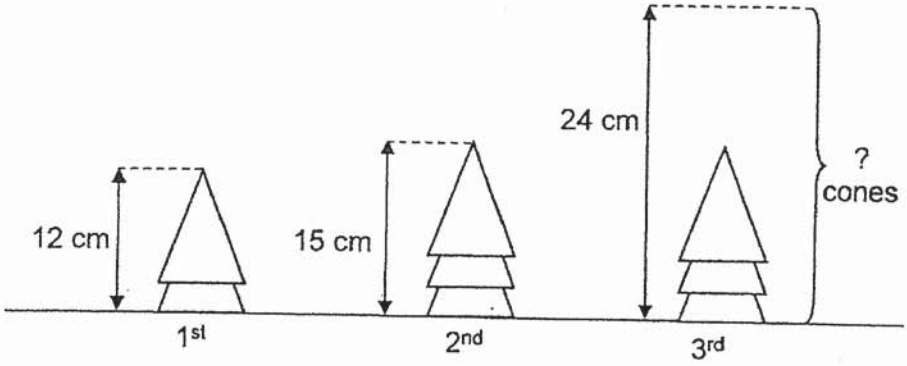
44 The figure below shows three stacks of identical cones. There are 2 cones in the 1st stack and 3 cones in the 2nd stack. The height of the 1st stack is 12 cm and the height of the 2nd stack is 15 cm.



(a) What is the difference in height between the 1st stack and the 2nd stack of cones?

(b) Ali wants the height of the 3rd stack of cones to be 24 cm. How many cones are there in the 3rd stack?

Ans: (a) _____ [2]

(b) _____ [2]

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45 Lynette had a piece of rectangular paper as shown below. The length of the rectangular piece of paper is 48 cm.

Lynette then cut the rectangular piece of paper into 8 equal squares.

(a) What is the least number of cut she needs to make in order to get 8 equal squares?

(b) Find the area of each square.

Ans: (a) _____ [1]

(b) _____ [3]

End of Paper

Have you checked your paper? ☺

4

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ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 3
SCHOOL : RED SWASTIKA SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

SECTION A

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

SECTION B

Q21) 3476

Q22) 2736

Q23) 996

Q24) 3

Q25) 250

Q26) 7074

Q27) 803

Q28) 1092

Q29) 324

Q30) 2m 90cm

Q31) 480ml

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Q32) 180g

Q33) 100g

Q34) 3:50pm

Q35) $45.90

Q36) B and D

Q37) 3

Q38) $\frac{1}{4}$

Q39) $\frac{1}{10}, \frac{2}{5}, \frac{1}{2}$

Q40a) T

Q40b) F

SECTION C

Q41a) 150 x 3 = <u>450</u>

Q41b) 450 ÷ 7 = 64R2

ANS: <u>2</u>

Q42a) 12 + 12 = <u>24</u>

Q42b) 40 – 24 = <u>16</u>

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Q43a) 60 ÷ 20 = <u>3</u>

Q43b) 6 ÷ 3 = 2

2 x 9 = <u>$18</u>

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Q44a) 15 – 12 = 3cm

Q44b)

Number of cones	Height
2	12
3	15
4	18
5	21
6	24

ANS: 6

Q45a) 7

Q45b) 48 ÷ 8 = 6

6 x 6 = 36cm^2

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END

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