RULANG PRIMARY SCHOOL

Nurturing Competencies, Inspiring Excellence, Empowering Individuals

Scholars of Tomorrow

Established since 1930

Name : _____ ( )
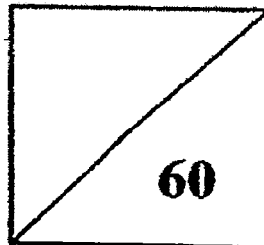
Level : Primary Four

Class : Primary 4

Date : 27 October 2017

Setters : Mr Surajkumar Natchinarkinian and Mr Susiayanto Sunaryo

SEMESTRAL ASSESSMENT 2
2017
MATHEMATICS

PAPER 1

60

TOTAL TIME FOR PAPER 1: 1 hour 15 minutes
30 questions
60 marks

- **DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**
- **READ ALL THE INSTRUCTIONS CAREFULLY.**
- **ANSWER ALL THE QUESTIONS.**

1. The value of the digit 5 in 75 316 is _____ .

    (1) 50

    (2) 500

    (3) 5000

    (4) 50 000

2. Which of the following is a multiple of 6?

    (1) 42

    (2) 2

    (3) 16

    (4) 27

3. What fraction of the shapes in the box are ▮?

    (1) $\dfrac{6}{10}$

    (2) $\dfrac{4}{6}$

    (3) $\dfrac{4}{10}$

    (4) $\dfrac{6}{4}$

4. In the number 65.87, the digit _____ is in the tenths place.

    (1) 5

    (2) 6

    (3) 7

    (4) 8

5. Express $\dfrac{58}{100}$ as a decimal.

    (1) 0.058

    (2) 0.508

    (3) 0.58

    (4) 5.08

6. Find the sum of 0.4 and 83.51.

   (1) 87.51
   (2) 83.91
   (3) 83.55
   (4) 83.11

7. Debby's mass is 54.38 kg. She weighs 11.09 kg more than her brother. What is her brother's mass?

   (1) 43.29 kg
   (2) 43.39 kg
   (3) 65.37 kg
   (4) 65.47 kg

8. During a litter-picking activity, Salleh collected 37.86 kg of rubbish while his children collected 21.13 kg of rubbish. What was the total mass of rubbish collected, correct to 1 decimal place?

   (1) 58.9 kg
   (2) 59.0 kg
   (3) 59.9 kg
   (4) 60.0 kg

9. Mr Lee bought 15.5 *l* of white paint and 24.65 *l* of yellow paint. How much more yellow paint than white paint did Mr Lee buy?

   (1) 9.15 *l*
   (2) 11.15 *l*
   (3) 23.1 *l*
   (4) 40.15 *l*

10. The mass of a box of books is 9.65 kg. The mass of the box when empty is 3.54 kg. What is the mass of the books?

   (1) 6.02 kg
   (2) 6.11 kg
   (3) 6.2 kg
   (4) 13.19 kg

11. Aini has $21.80. This is $7.75 less than what Caili has. How much money do they have altogether?

    (1) $14.05
    (2) $29.55
    (3) $35.85
    (4) $51.35

12. Zavier left Town A at 23 40 on Wednesday and arrived in Town B at 07 30 on Thursday. How long did the journey take?

    (1) 7 h 50 min
    (2) 8 h 30 min
    (3) 16 h 10 min
    (4) 31 h 10 min

13. Amanda woke up at 7.40 a.m. on Sunday. Which of the following clocks shows the correct time Amanda woke up?

    (1)

    (2)

    (3)

    (4)

4
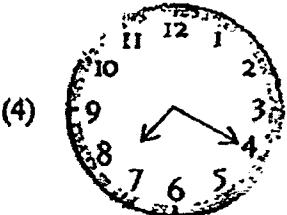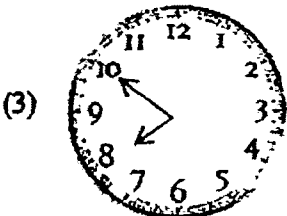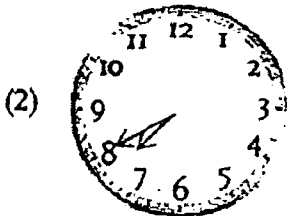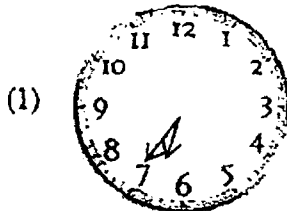
14. Through how many right angles does the hour hand of a clock turn from 1 a.m. to 4 p.m. on the same day?

    (1) 1
    (2) 5
    (3) 3
    (4) 15

15. In the picture shown below, an aeroplane is facing the south-east direction. It then turns 225° clockwise. Which direction will the aeroplane be facing in the end?
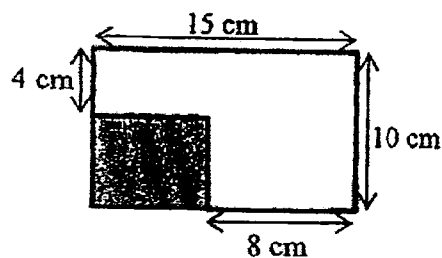
    (1) North
    (2) South
    (3) East
    (4) West
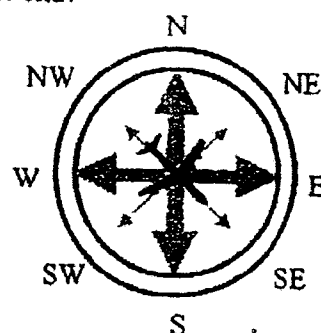
16. Mr Tan earns $4215 each month. How much will he earn in 5 months?

    (1) $20 055
    (2) $20 075
    (3) $21 055
    (4) $21 075

17. Find the area of the shaded rectangle. (All lines meet at right angles.)

    (1) 32 cm²
    (2) 42 cm²
    (3) 108 cm²
    (4) 150 cm²

18. Which letter does not have a line of symmetry?
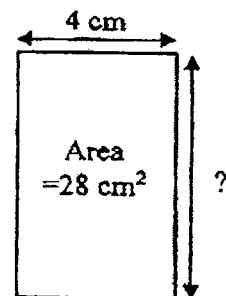
    (1) A
    (2) C
    (3) M
    (4) N

19. Mdm Wong drank $\frac{3}{5}l$ of iced lemon tea. Mrs Chan drank $\frac{1}{2}l$ of iced lemon tea. How much more iced lemon tea did Mdm Wong drink than Mrs Chan?

   (1) $\frac{1}{10}l$

   (2) $\frac{1}{5}l$

   (3) $\frac{2}{5}l$

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

20. Find the length of the rectangle on the right.

   (1) 7 cm
   (2) 10 cm
   (3) 20 cm
   (4) 24 cm

4 cm

Area =28 cm²   ?

Questions 21 to 30 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.

(20 marks)

21. $71\ 308 = 70\ 000 + 1000 + \underline{\quad ? \quad} + 8$
        What is the missing number?

Ans: _____

22.   What is the remainder when 1024 is divided by 7?

Ans: _____

23.   Some factors of 32 are 1, 2, 4 and 32. What are the other two factors of 32?

Ans: _____ and _____

24. How many one-fifths are there in 1 whole?

Ans: _____

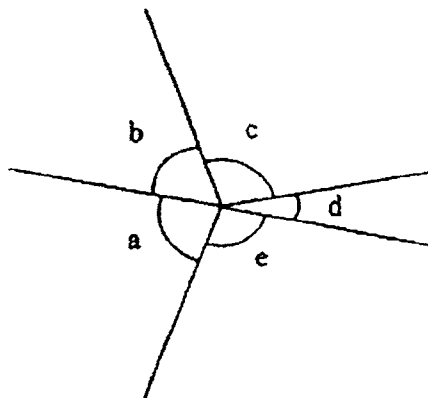25. Express $\frac{4}{12}$ in its simplest form.

Ans: _____

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26. Write $\frac{15}{7}$ as a mixed number.
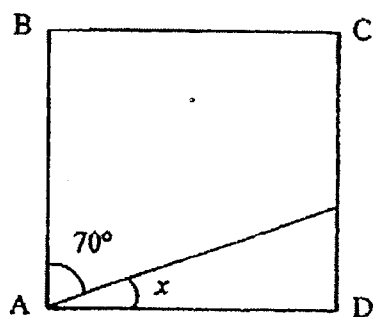
Ans: _____

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27. Find the value of 6.72 × 8.

Ans: _____

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28. In the figure, name the two angles that are greater than 90°.

Ans: _____ and _____

29. ABCD is a square. Find ∠x.

Ans: _____ °

30. Elaine has a roll of ribbon which is 2 m long. She wants to tie 2 parcels, each using $\frac{3}{4}$ m of ribbon. How much ribbon will she have left?

Ans: _____ m

End of Paper 1

9

RULANG PRIMARY SCHOOL

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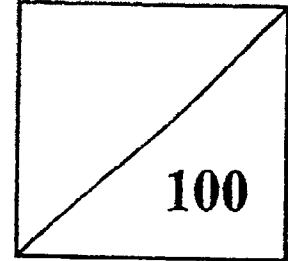Name : _____ ( )

Level : Primary Four

Class : Primary 4 ____

Date : 27 October 2017

Total Marks
Papers 1 & 2

100

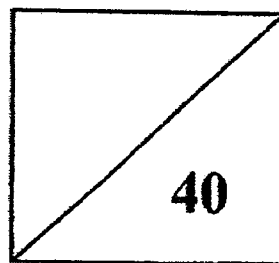Setters : Mr Surajkumar Natchinarkinian and Mr Susiayanto Sunaryo

SEMESTRAL ASSESSMENT 2
2017
MATHEMATICS

PAPER 2

40

TOTAL TIME FOR PAPER 2: 1 hour 15 minutes
16 questions
40 marks

- **DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**
- **READ ALL THE INSTRUCTIONS CAREFULLY.**
- **ANSWER ALL THE QUESTIONS.**

Questions 1 to 10 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 answer in the units stated.

(20 marks)

1. Mary wants to buy a laptop which costs $2458. She has $1223. How much more money does she need to buy the laptop?

Ans: $ _____

2. Some pupils who went on a learning journey were split into two groups, A and B. Group A had 10 more pupils than Group B at first. During the last activity, 5 pupils from Group B were moved to Group A. How many more pupils were there in Group A than in Group B during the last activity?

Ans: _____

3. Mrs Raju is 1.56 m tall. She is 3 times as tall as her newborn son. How tall is Mrs Raju's son?

Ans: _____ m

2

4. Bala writes a number with 2 decimal places on the whiteboard. The number is greater than 50 but smaller than 60. The digit in the ones place is 2 less than the digit in the tens place. One of the digits, 4, stands for 0.4. The digit in the hundredths place is twice the digit in the tenths place. What number has Bala written?

Ans: _____

5. The figure below is made up of 25 identical squares. Shade 1 more square such that there is only 1 line of symmetry.
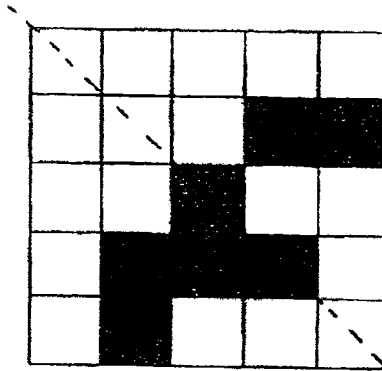
6. Aini started doing her homework at 11 45 on Saturday. She completed her homework in 2 h 10 min. What time did Aini complete her homework? Express your answer in 24-hour clock format.

Ans: _____

3

7. The table below shows the number of Primary 6 pupils from 4 classes who went on an overseas trip. The enrolment for each class was 42 pupils.

Class	Number of Pupils who went on an overseas trip
6A	38
6B	42
6C	30
6D	34

How many pupils did not go on the overseas trip?

Ans: _____


The bar graph below shows the different types of vegetables sold at Mr Abdullah's shop on Sunday. Study the graph and answer Question 8.

Types of Vegetables Sold

Mass of Vegetables (in kg)

35
30
25
20
15
10
5
0

Onion   Tomato   Radish   Potato
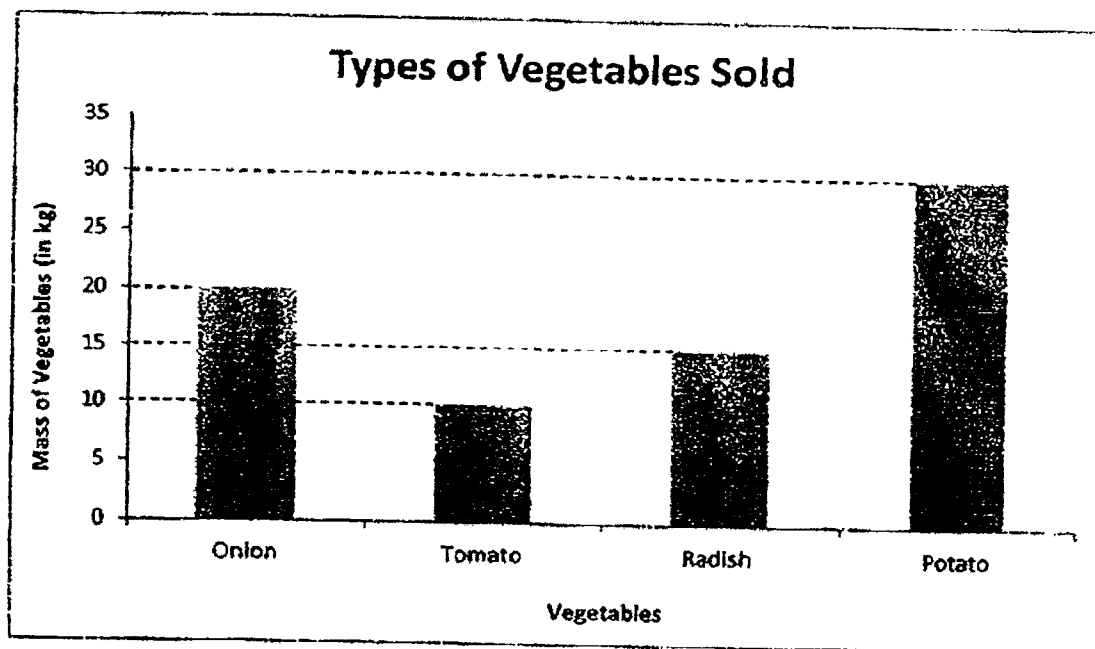
Vegetables

8. What was the difference in mass between the most and the least types of vegetables sold?

Ans: _____ kg

4

Aziz bought a potted plant. The line graph below shows the height of the plant measured over five weeks. Study the graph and answer Question 9.

Height of a Plant Over Five Weeks
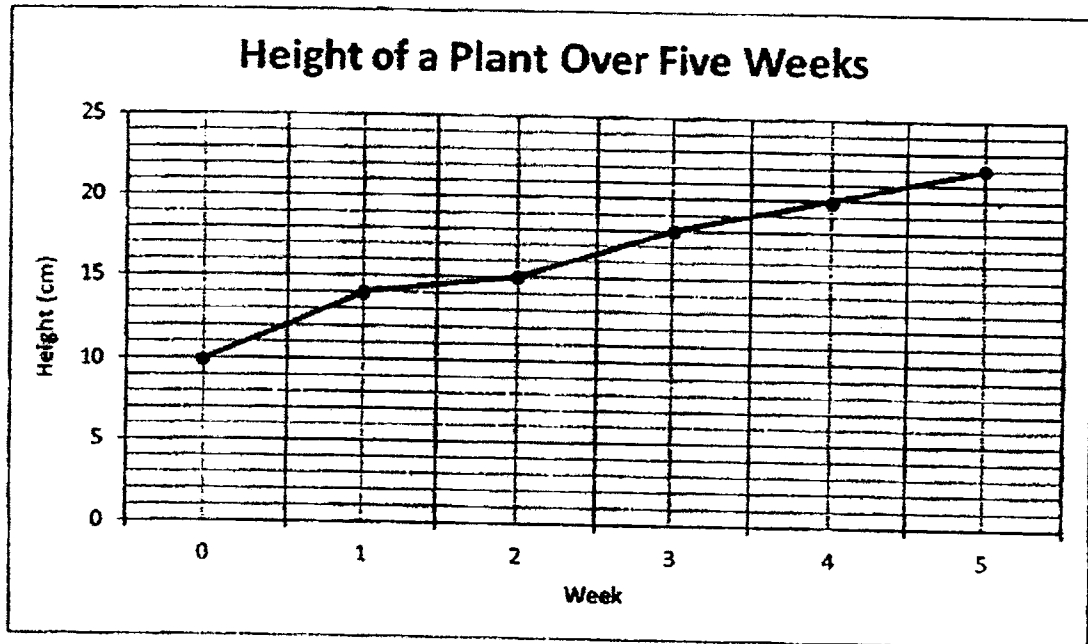
9.   What was the difference in the height of the plant between Week 2 and Week 5?

Ans: _____ cm

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10.   Brian and Carol had a total of 1497 stamps at first. After they had given away a total of 89 stamps, Carol had 7 times as many stamps as Brian. How many stamps did Brian have in the end?

Ans: _____

Questions 11 to 14 carry 3 marks each. Questions 15 and 16 carry 4 marks each. Show your working clearly in the space provided for each question as marks will be awarded for relevant statements and correct answers.

(20 marks)

11. John and his younger brother, Derrick, received red packets during Chinese New Year. John received $525 while Derrick received $475.
    (a) What was the difference in the amount of money received by the boys?
    (b) John gave some of his money to Derrick so that they would have the same amount. How much money did Derrick receive from John?

Ans: (a) _____ [1]

(b) _____ [2]

12. Peter wanted to buy 9 similar pens but he was short of $5.80. He decided to buy 4 of the pens instead and had $6.70 left. Find the cost of 1 such pen.

Ans: _____ [3]

6

13. Alicia and Isabelle have a total of $211.20 in their piggybanks. The amount of money in Alicia's piggybank is thrice the amount in Isabelle's piggybank.
    (a) How much money is in Isabelle's piggybank?
    (b) Their younger sister, Jaqueline, has some money in her piggybank. The amount of money in her piggybank is half as much as the amount in Isabelle's piggybank. How much money does Jaqueline have in her piggybank?
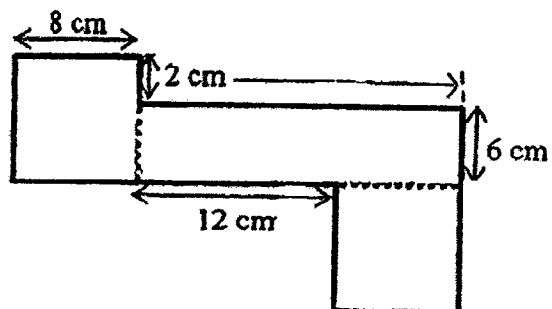
Ans: (a) _____ [2]

(b) _____ [1]

14. A box of cookies will cost $6 when rounded to the nearest dollar.
    (a) What is the lowest possible price of the box of cookies?
    (b) What is the difference between the highest and the lowest possible prices of the box of cookies?

Ans: (a) _____ [1]

(b) _____ [2]

7

15. A figure is formed by 2 identical squares and a rectangle as shown below.

(a) What is the perimeter of the figure?
(b) What is the area of the figure?

Ans: (a) _____ [2]

(b) _____ [2]

16. Mary is 8 years old. Her father is 44 years old. When Mary is $\frac{1}{4}$ of their total age some years later, how old will they be?

Ans: Mary:_____

Her father:_____

SCHOOL : **RULANG PRIMARY SCHOOL**
LEVEL : **PRIMARY 4**
SUBJECT : **MATH**
TERM : **2017 SA2**

CONTACT :

SECTION A
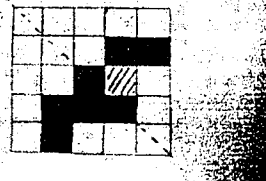
Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	1	1	4	3	2	1	2	1	2
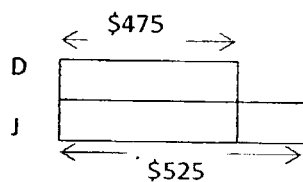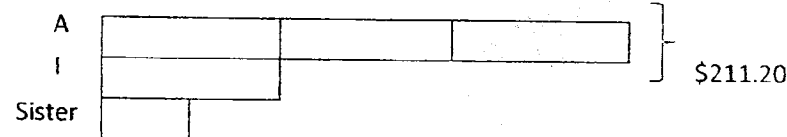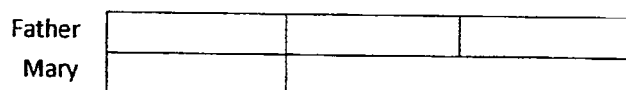
Q 11	Q12	Q13	Q14	Q15	Q 16	Q17	Q18	Q19	Q20
4	1	2	2	1	4	2	4	1	1

SECTION B

Q21)	300
Q22)	1024 ÷ 7 = 146 R 2 **(Ans : 2)**
Q23)	16 and 8
Q24)	5
Q25)	4/12 = 1/3
Q26)	2 1/7
Q27)	53.67
Q28)	**Angle e and Angle c**
Q29)	$90^0 - 70^0 = \underline{\textbf{20}^\textbf{0}}$
Q30)	¾ + ¾ = 6/4 = 1½ 2 - 1½ = ½

Paper 2

Q1)	2458 − 1223 = **1235**
Q2)	 10 + 5 + 5 = **20**
Q3)	1.56 ÷ 3 = **0.52**
Q4)	**53.48**
Q5)	
Q6)	 **Ans : 1355**
Q7)	42 - 38 = 4 42 - 30 = 12 42 - 34 = 8 4 + 12 + 8 = **24**
Q8)	most—> potato [3kg] least —> tomato [10kg] 30 - 10 = **20**
Q9)	22 - 15 = **7**
Q10)	1497 - 89 = 1408 1408 ÷ 8 = **176**

Q11)	a) $525 - $475 = **$50** b) $50 ÷ 2 = **$25**

Q12)	

4 pens	$6.70	
4 pens	$6.70	$5.80

$5.80 + $6.70 = $12.50

$12.50 ÷ 5 = **$2.50**

Q13)	

a)   Isabelle's piggybank → $211.20 ÷ 4 = **$52.80**

b)   Jaqueline → $52.80 ÷ 2 = **$26.40**

Q14)	a) $5.50 ≈ $6.00 **(Ans: $5.50)** b) $6.49 - $5.50 = **$0.99**

Q15)	15 + 28 + 16 + 28 = 88 Area of A = 8 cm x 8 cm = 64 cm² Area of B = 20 cm x 6 cm = 120 cm² Area of C = 8 cm x 8 cm = 64 cm² Area of the figure = (64 + 120 + 64) cm² = **248 cm²**

Q16)	

44 − 8 = 36

2U → 36

1U → **18** (Mary's age)

3U → 3 x 18 = **54** (Father's age)