RIVER VALLEY PRIMARY SCHOOL

CONTINUAL ASSESSMENT 2

2017

MATHEMATICS

PRIMARY FIVE

Name : _____ ____ ( )

Class : Primary 5 (_____)

Date : 14 August 2017

Duration : 50 min (Total time for Booklets A and B)

PAPER 1
(BOOKLET B)

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Register No. and Class in the space above.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. You are **not** allowed to use a calculator.

SUMMARY OF MARKS :

			Questions	Marks Awarded	Maximum Marks
Paper 1	Booklet A	MCQ	1 – 15		20
	Booklet B	SAQ	16 – 30		20
Paper 2		SAQ	1 – 5		10
		LAQ	6 – 18		50
	Total				100

Parent's Signature :

Questions 16 to 25 carry 1 mark each. Write your answer in the space provided. For questions that require units, give your answers in the units stated.

(10 marks)

Do not write in this space

16. Write six million, forty-five thousand, seven hundred and twenty-eight in figures.

Ans : _____

17. Find the value of : $92 - 47 + (3 \times 24 \div 6)$

Ans : _____

18. Suzy had 125 stickers. She gave $\frac{2}{5}$ of her stickers to Jane and $\frac{1}{3}$ of the remainder to Susan. How many stickers had she left?

Ans : _____

19. There are 40 rows of seats in a theatre. Each row has 10 seats. If $\frac{5}{8}$ of the seats are occupied, how many seats are not occupied?

Ans : _____

20. The ratio of the sides of a triangle is 2 : 3 : 4. If the length of the shortest side is 4 cm, find the length of the longest side.

Ans : _____ cm

21. The perimeters of 2 squares are in the ratio 5 : 6. The perimeter of the smaller square is 60 cm. What is the perimeter of the larger square?

Ans : _____ cm

22. A container was filled with 2 litres of water at first. Then Alfred added 200 ml of water into the container. How many litres of water are there in the container now?

Ans : _____ ℓ

8

23. A piece of ribbon is 104.8 cm long. It is cut into 4 equal parts. What is the length of each part in metres?

Ans : _____m

24. Express the difference between $\frac{3}{4}$ and $\frac{2}{5}$ as a percentage.

Ans : _____%

25. There were 60 animals brought to the SPCA last month. 20% of these animals were dogs and the rest were cats. How many more cats than dogs were brought to the SPCA last month?

Ans : _____

9

Questions 26 to 30 carry 2 marks each. Show your working clearly in the space for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

26. There is a total of 38 cars and bikes in a car park. They have 114 wheels altogether. How many bikes are there in the car park?

Do not write in this space

Ans : _____

27. The rates for taxi fare in a city are given in the table below.

| For the first km | $2.50 |
| For every additional 200 m or part thereof | $0.30 |

Ron took a taxi and travelled 3 km. How much was his taxi fare?

Ans : $_____

10

28. Karen has $5 more than Tommy and $10 more than Chris. They have a total of $105. Find the ratio of the amount of money Karen has to the amount of money Tommy has to the amount of money Chris has.
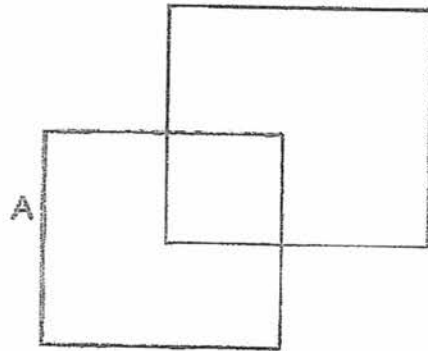
Ans : _____

29. Bobby bought 10 litres of coconut oil at $1.05 per litre. He also bought a tin of olive oil at $15.35. He gave the cashier $100. How much change did he get?
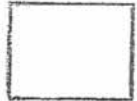
Ans : $_____

30. The figure below is not drawn to scale. It is made up of 2 squares, A and B. $\frac{1}{4}$ of A is shaded and $\frac{2}{9}$ of B is shaded. What percentage of the figure is shaded?

Ans : _____ %

- End of Booklet B -

RIVER VALLEY PRIMARY SCHOOL
CONTINUAL ASSESSMENT 2
2017
MATHEMATICS
PRIMARY FIVE

Name : _____ ____ ( )

Class : Primary 5 (_____)

Date : 14 August 2017

Duration : 1 hour 40 minutes

PAPER 2

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

1. Ginny mixed 7.6 ℓ of white paint with 2.8 ℓ of black paint to obtain some grey paint. She used $4\frac{3}{5}$ ℓ of the grey paint to paint her room. How many litres of grey paint had she left?

Ans : _____ ℓ

2. Mr Tan had 24 boxes of apples. Each box contained 148 apples. He then repacked the apples into bags of 25 apples. How many apples were left over?

Ans : _____

3. Ms Lim put some children into groups. There were 5 boys and 6 girls in each group. If there were 180 girls in all, how many children were there altogether?
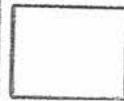
Ans: _____

1

4. Melvin cut a long string into 2 equal pieces. One of the pieces was used to form a square of length 14 cm. What was the original length of the string?

14 cm
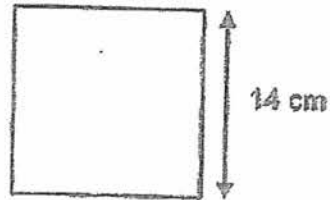
Ans: _____ cm

5. A whole number gives a remainder of 2 when it is divided by 9. It gives a remainder of 1 when it is divided by 4. What is the smallest possible whole number?

Ans : _____

2

6. The airmail rates to two countries are shown below.

Mass Step	Taiwan	Japan
First 20 g	$0.70	$1.30
Every additional 10 g	$0.25	$0.35

Joyce sent a letter weighing 50 g to Taiwan and a letter weighing 15 g to Japan by airmail. How much did she pay altogether?

Ans : _____ (3m)

7. Mrs Lim spends $\frac{3}{5}$ of her salary on 3 bags and 8 pairs of shorts.

She can buy 6 similar bags with the rest of her money. If she spends all her salary on shorts instead, how many pairs of shorts can she buy?

Ans : _____ (3m)

3

8. A box of marbles was shared among Jason, Siti and Mary in the ratio 3 : 7 : 4. After giving away half of his share, Jason had 176 fewer marbles than Siti. What was the original number of marbles shared by the 3 children?

Ans: _____ (3m)

9. Jug A and Jug B contained 870 ml of water altogether. After $\frac{2}{7}$ of the water in Jug B was poured into Jug A, the 2 jugs had the same amount of water. Find the amount of water in Jug B at first.

Ans: _____ (3m)

4

10. The table below shows the number of items sold by a shop in June.

Items	Number sold
Pencil	648
Pen	1600
Ruler	922
Notebook	?

(a) 50% of the items sold were pens. How many items were sold altogether in the month of June?

(b) What percentage of the items sold were notebooks?
Give your answer correct to 2 decimal place.

Ans : (a)_____(1m)

(b)_____(2m)

11. At a jumble sale, each item was sold for $5. For every 5 items purchased, another item would be given free.

(a) John wanted to get 12 items. How much would he need to spend?

(b) Dressel paid $105 altogether for some items. How many items would he get altogether?

Ans : (a)_____(1m)

(b)_____(3m)

6

12. Box A contains 50-cent coins and Box B contains 20-cent coins. Box B has twice as many coins as Box A. The amount of money in Box A is $1.40 more than the amount of money in Box B.

   (a) How many 20-cent coins are there?

   (b) How much money is in both boxes altogether?

   Ans : (a)_____(2m)

   (b)_____(2m)

7

13. June had to deliver 100 flower pots on Saturday. For each unbroken flower pot that she delivered, she would be paid $5.50. However, she would need to pay her company $4 for each broken flower pot that she delivered. If at the end of the day, June received $464.50, how many unbroken flower pots did she deliver?
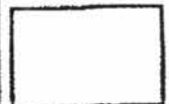
Ans : _____ (4m)

8

14. Lily had 120 more balloons than Melissa. After Melissa gave

away $\frac{1}{5}$ of her balloons, she had 184 fewer balloons than Lily.

(a) How many balloons did Lily have?
(b) How many balloons did Melissa have in the end?

Ans : (a)_____(3m)

(b)_____(1m)

15. A boutique gave different discounts to different customers. Mrs Tay paid $600 for a dress at a discount of 20%. However, Mrs Lee paid $630 for the same dress. What percentage discount was given to Mrs Lee?

Ans : _____ (4m)

16. Mr Tan wanted to decorate his classroom with colourful balloons for Children's Day Celebration. He planned to line 46 balloons in a straight line from one end of the room to other end. The distance between each balloon was 0.5 m.

However, on the day of the celebration, he realized that 20 of the balloons had burst. As a result, Mr Lim had to line up the remaining balloons from one end to the other end of the classroom at a new equal distance.

What was the new distance between 2 balloons on the actual day?

Ans : _____ (5m)
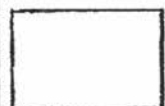
17.

Karen earned $1250 less than David. David saved $\frac{-3}{4}$ of his salary while Karen saved $\frac{5}{6}$ of her salary. Both spent the rest of the money. David spent twice as much as Karen.

(a)   How much did David earn?

(b)   If each of them donated 10% of their savings to charity, How much was the amount donated to charity altogether?

Ans: (a)_____(3m)

(b)_____(2m)

12

18. Rony spent 20% of his salary on a wallet. He bought a bag which cost $20 more than the wallet. He also bought a pair of shoes. The ratio of the cost of the wallet to the cost of the pair of shoes was 5 : 6. He then had $844 left.

(a) What was his monthly salary?

(b) Express the amount of money he spent on the pair of shoes as a fraction of his monthly salary in its simplest form.

Ans: (a)_____(3m)

(b)_____(2m)

End of Paper 2 -

13
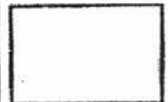
SCHOOL : RIVER VALLEY PRIMARY SCHOOL

LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2017 CA2

PAPER 1 BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	1	1	2	2	2	4	3	2

Q11	Q12	Q13	Q14	Q15
1	4	3	4	4

PAPER 1 BOOKLET B

Q16)	6045728
Q17)	57
Q18)	50
Q19)	150
Q20)	8
Q21)	72
Q22)	2.2
Q23)	0.262
Q24)	35
Q25)	36
Q26)	Assuming all cars → 38 x 4 = 152 152 – 114 = 38 Difference in wheels = 4 – 2 = 2 No. of bikes → 38/2 = <u>19</u>
Q27)	$0.30 x 10 = 3 $2.50 + $3 = <u>$5.50</u>
Q28)	$105 - $5 - $10 = $90 $90/3 = $30 $30 + $5 = $35 $30 + $10 = $40 40:35:30 = <u>8:7:6</u>

Q29)	$10 \times \$1.05 = \$10.50$
	$\$10.50 + \$15.35 = \$25.85$
	$\$100 - \$25.85 = \underline{\textbf{\$74.15}}$

Q30)	A(unshaded) : S : B(Unshaded)
	3 : 1
	6 : 2 : 7
	$2/15 \times 100\% = \underline{\textbf{13 1/3\%}}$

PAPER 2

Q1)	$7.6 + 2.8 = 10.4$
	$4\ 3/5 = 4.6$
	$10.4 - 4.6 = \underline{\textbf{5.8L}}$

Q2)	$148 \times 24 = 3552$
	$3552/25 = 142\ R\ 2$ **(ans: 2)**

Q3)	$180/6 = 30$
	$30 \times 5 = 150$
	$150 + 180 = \underline{\textbf{330}}$

Q4)	$14 \times 4 = 56$
	$56 \times 2 = \underline{\textbf{112 cm}}$

Q5)	9: 9, 18, 27, 36
	+2: 11, 20, 29, 38
	4: 4, 8, 12, 16, 20, 24, 28
	+1: 5, 9, 13, 17, 21, 25, 29
	Ans : 29

Q6)	$\$0.70 + \$0.25 + \$0.25 + \$0.25 = \$1.45$
	$\$1.45 + \$1.30 = \underline{\textbf{\$2.75}}$

Q7)	$3 \times 2 = 6$
	$8 \times 2 = 16$
	$1u \rightarrow 16/4 = 4$
	$2u \rightarrow 4 \times 2 = 8$
	$4 \times 5 = \underline{\textbf{20}}$

Q8)	$3/2 = 1.5$
	$7 - 1.5 = 5.5$
	$176/5.5 = 32$
	$3 + 7 + 4 = 14$
	$32 \times 14 = 448$

Q9)	870/10 = 87 87 x 7 = <u>609 ml</u>

Q10)	(a) 1600/50 = 32
	      32 x 100 = <u>3200</u>
	(b) 3200 − 1600 = 1600
	      1600 − 1570 = 30
	      30/3200 x 10090 = 0.9375 ≈ <u>0.94%</u>

Q11)	(a) 5 ÷ .1 = 6
	      12/6 = 2
	      2 x 5 = 10
	      10 x $5 = <u>$50</u>
	(b) $105/$5 = 21
	      21/5 = 4 R 1
	      21 ÷ 4 = <u>25</u>

Q12)	(a) $1.40/$0.10 = 14
	      14 x 2 = <u>28</u>
	
	(b) 28/2 = 14
	    14 x $0.50 = $7
	    28 x $0.20 = $5.60
	    $5.60 ÷ $7 = <u>$12.60</u>

Q13)	Assuming all flower pots are broken → $5.50 x 100 = $550 $550 - $464.50 = $85.50 Difference → $5.50 + $4.00 = $9.50 No. of broken vase → $85.50 / $9.50 = 9 No. of unbroken → 100 − 9 = <u>91</u>
Q14)	(a) 64 x 5 = 320 320 + 120 = <u>440</u> (b) 64 x 4 = <u>256</u>
Q15)	100% - 84% = 26% 600/80 x 100 = $750 $750 - $630 = $120 120/750 x 100% = <u>16%</u>
Q16)	46 − 1 = 45 0.5 x 45 = 22.5 46 − 20 = 26 26 − 1 = 25 22.5/25 = 0.9 m

Q17)
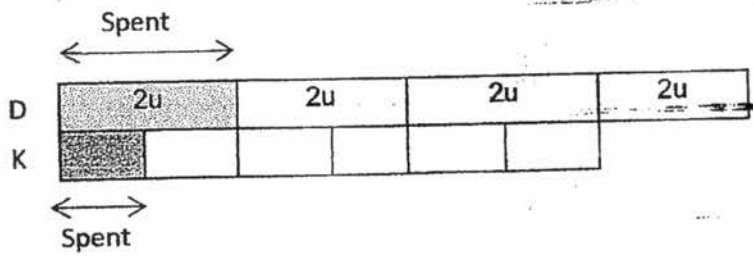
(a) $1250 = 2U$

$1U = \$1250/2 = \$625$

$8U = \$625 \times 8 = \underline{\textbf{\$5000}}$

(b) $\$625 \times 5 = \$3125$

$\$625 \times 6 = \$3750$

Total saved → $\$3125 + \$3750 = \$6875$

Donated → $\$6875/10 = \underline{\textbf{\$687.50}}$

Q18) (a) $5 \times 3 = 15$

$25 - 15 = 10$

$10 - 1 = 9u$

$\$844 + \$20 = \$864$

$9u = \$864$

$1u = \$864/9 = \$96$

$25u = \$96 \times 25 = \underline{\textbf{\$2400}}$

(b) $24/100 = \underline{\textbf{6/25}}$