Name : _____ (   )

Class : Primary 5 _____

Primary 5 Mathematics

2017 Continual Assessment One

Paper 1

Booklet A

28 February 2017

15 questions
20 marks

TOTAL TIME FOR BOOKLETS A & B : 1 HOUR

INSTRUCTIONS TO CANDIDATES

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.
SHADE YOUR ANSWERS IN THE OPTICAL ANSWER SHEET (OAS) PROVIDED.
THE USE OF CALCULATORS IS **NOT** ALLOWED.

This booklet consists of 7 printed pages including the cover page.

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** 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.

(20 marks)

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1. Five hundred and two thousand, seven hundred and thirteen in numerals is _____ .

   (1) 52 713
   (2) 502 713
   (3) 520 713
   (4) 5 002 713

2. 8 219 406 = 8 000 000 + _____ + 406

   What is the missing number?

   (1) 21 900
   (2) 219 000
   (3) 2 190 000
   (4) 21 900 000

3. Mrs Chan bought a car for $108 000 when rounded to the nearest $1000. Which of the following is the possible value of the car?

   (1) $107 006
   (2) $107 499
   (3) $108 255
   (4) $108 620

4. Sandy is thinking of a 7-digit number. The digit in the millions place is twice the digit in the ten thousands place. Which one of the following numbers is Sandy thinking of?

    (1)   4 732 509
    (2)   4 260 759
    (3)   4 173 529
    (4)   4 023 759

5. Express 7.04 as a fraction.

    (1) $7\dfrac{1}{25}$

    (2) $7\dfrac{1}{250}$

    (3) $7\dfrac{2}{5}$

    (4) $7\dfrac{37}{50}$

6. 31.4 = _____ tenths

    (1)   314
    (2)   31
    (3)   3
    (4)   4

7. Which of the following numbers are arranged from the smallest to the largest?

(1)　0.76 , 7.06 , 0.076 , 0.706

(2)　7.06 , 0.76 , 0.706 , 0.076

(3)　0.076 , 0.76 , 0.706 , 7.06

(4)　0.076 , 0.706 , 0.76 , 7.06

8. Round 9.805 to 2 decimal places.

(1)　9.80

(2)　9.81

(3)　9.90

(4)　9.91

9. Kym, Lydia and Maria shared $380. Kym received $120. Lydia received $42 less than Maria. Find the amount of money Lydia received.
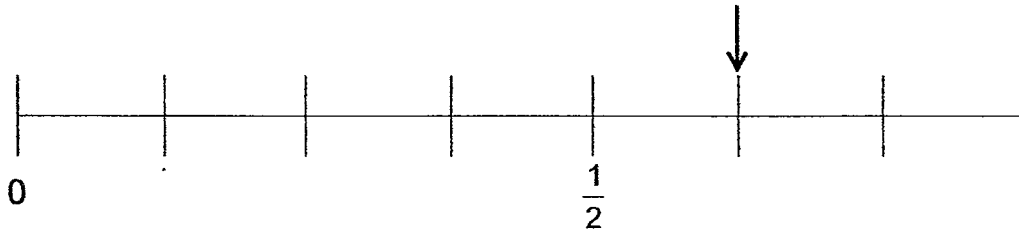
(1)　$88

(2)　$109

(3)　$130

(4)　$151

10. In the number line below, what is the fraction indicated by the arrow?

(1) $\dfrac{1}{3}$

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

(3) $\dfrac{5}{8}$

(4) $\dfrac{6}{7}$

11. Find the value of A.

$$\dfrac{31}{12} = \dfrac{3}{2} + \dfrac{\boxed{A}}{12}$$

(1) 49
(2) 28
(3) 18
(4) 13

12. Which one of the following fractions is greater than $\frac{1}{2}$ but smaller than $\frac{3}{4}$?

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

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

   (3) $\frac{5}{10}$

   (4) $\frac{7}{12}$

13. Jasmin had some straws. She packed $\frac{4}{9}$ of them equally into 3 bundles. Each bundle had 24 straws. How many straws did she have at first?

   (1) 162
   (2) 216
   (3) 360
   (4) 648

14. There were 960 balloons at a funfair. 448 of the balloons were yellow in colour and the rest were red or blue. There were 3 times as many red balloons as blue balloons. Which of the following number statements shows the number of blue balloons?

   (1) $(960 - 448) \div 3$
   (2) $(960 - 448) \div 4$
   (3) $960 - 448 \div 3 + 1$
   (4) $960 - 448 \div 3 - 1$

15. A bag of 75 marbles was shared among 6 children. P took a marble first and passed on the bag in a clockwise direction, as shown in the figure below. Each child took one marble at a time. How many marbles would R get when no marble was left in the bag?
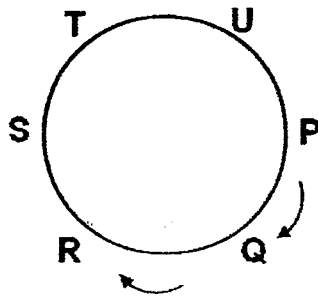
   (1)   10
   (2)   12
   (3)   13
   (4)   15

** END OF BOOKLET A**

Name : _____ (   )

Class : Primary 5 _____

Primary 5 Mathematics

2017 Continual Assessment One

Paper 1

Booklet B

28 February 2017

Booklet A	20
Booklet B	25
Total (Paper 1)	45

_____
Parent's / Guardian's Signature

15 questions
25 marks

TOTAL TIME FOR BOOKLETS A & B : 1 HOUR

INSTRUCTIONS TO CANDIDATES

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.
WRITE YOUR ANSWERS IN THIS BOOKLET.
THE USE OF CALCULATORS IS **NOT** ALLOWED.

This booklet consists of 8 printed pages including the cover page.

Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(5 marks)

16.   Find the value of 170 x 500.

Ans : _____

17.   Find the value of 3 ÷ 8. Express your answer as a decimal.

Ans : _____

18.   Arrange the cards shown below to form the **smallest** four-digit whole number that is divisible by 5. Each digit should be used once only.

| 0 | 5 | 7 | 9 |

Ans : _____

19. A piece of rope measuring 12.18 m is cut equally into 6 smaller pieces. What is the length of each smaller piece of rope?

Ans : _____ m

20. Find the value of 6 + 24 ÷ 6 x 2 - 3.

Ans : _____

Questions **21** to **30** 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. (20 marks)
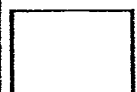
21. The figure below shows a container filled with some water. How much more water is needed to fill the container with $2\,\ell$ of water? Leave your answer as a decimal.
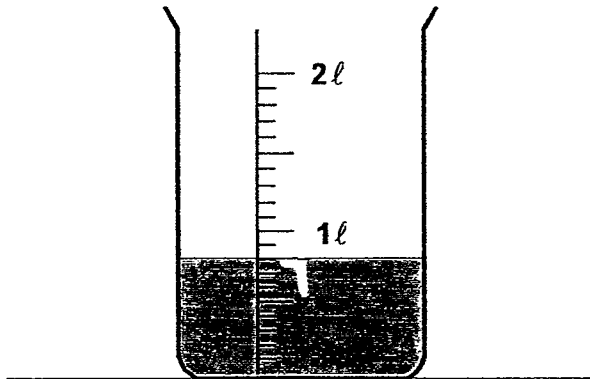
Ans : _____ ℓ

22. 20 pupils were each given 15 tickets for a school concert to sell. 5 of them sold 10 tickets each and the rest sold all their tickets. How many tickets were sold?

Ans : _____

23. At a science camp, participants are divided into Team A and Team B. $\frac{2}{7}$ of the participants are in Team A. There are 114 more participants in Team B than Team A. How many participants are there in Team B?

Ans : _____

24. The table below shows the number of children attending art and piano classes at an enrichment centre. What fraction of the children at the centre are girls? Express your answer in its simplest form.

Class	Boys	Girls
Art	9	10
Piano	6	8

Ans : _____

25. The product of three numbers is 5400. Two of the numbers are 200 and 9.
    Find the third number.

    Ans : _____

26. Nathan and Michael were jogging at the stadium. Nathan jogged 1.8 km and Michael jogged 0.85 km further than Nathan. Find the total distance covered by the two boys.

    Ans : _____ km

27. 4 cheese cakes were shared equally among 6 children. What fraction of a cake did each child get? Express your answer in its simplest form.

    Ans : _____

28. Melanie used some white and grey tiles to form figures that follow a pattern. The first three figures are shown below.
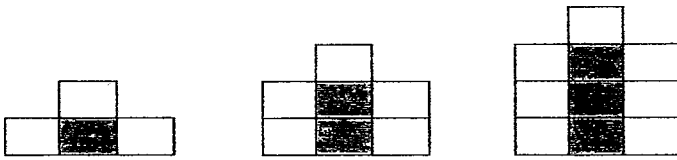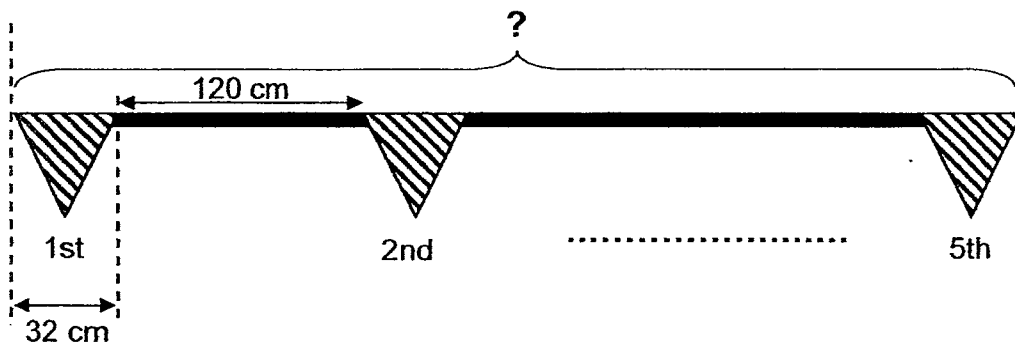

Figure 1   Figure 2   Figure 3

How many white tiles would she need to form Figure 7?

Ans : _____

29. Five identical flags were hung on a pole as shown below. The flags were placed 120 cm equally apart. What was the length of the pole?

Ans : _____ cm

30. Irene and Jane have 300 stickers altogether. Irene has 4 times as many stickers as Jane. How many stickers must Irene give Jane so that they have an equal number of stickers?

Ans : _____

END OF PAPER 1

Name : _____ (   )

Class : Primary 5 _____

Primary 5 Mathematics

2017 Continual Assessment One

Paper 2

28 February 2017

Paper 1	45
Paper 2	55
Total	100

Parent's / Guardian's Signature

TOTAL TIME FOR PAPER 2 : 1 HOUR 30 MINUTES

INSTRUCTIONS TO CANDIDATES

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.
WRITE YOUR ANSWERS IN THIS BOOKLET.
THE USE OF AN APPROVED CALCULATOR IS EXPECTED, WHERE APPROPRIATE.

This booklet consists of 15 printed pages including the cover page.

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. There are 40 principals and 128 teachers at a talk. All the principals are women. $\frac{5}{8}$ of the teachers are men. How many women are there altogether?

Ans : _____

2. Mrs Julie had $\frac{1}{2}$ kg of sugar. She bought another $\frac{3}{5}$ kg of sugar. She then used the sugar to bake some biscuits. In the end, she had $\frac{3}{10}$ kg of sugar left. How much sugar did she use?

Ans : _____ kg

3. A packet of peanuts cost $2.55. The cost of 5 such packets of peanuts was the same as the cost of 3 packets of almonds. Each packet of almonds cost the same. How much did 1 packet of almonds cost?

    Ans : $ _____

4. Lindy thought of a mixed number. When she subtracted the mixed number from 10, she got $7\frac{2}{9}$ as the answer. If she were to subtract the same mixed number from $6\frac{1}{6}$, what would be the answer? Express your answer as a mixed number in the simplest form.

    Ans : _____

3
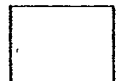
5. The table below shows the difference between the digits in some 2-digit numbers.

Number	Working	Difference between the digits
16	6 - 1 = 5	5
29	9 - 2 = 7	7
42	4 - 2 = 2	2

List all the 2-digit numbers, from 50 to 69, in which the digits have a difference of 3.

Ans : _____

For questions **6 to 17**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [   ] at the end of of each question or part-question.

(45 marks)

Do not write in this space

6.   A box contains white and purple marbles. $\dfrac{4}{11}$ of the marbles are white.

There are 133 purple marbles in the box. Find the total number of marbles in the box.

Ans : _____ [3]

7.   6 identical cushion covers and 2 identical rugs cost $88. 1 such cushion cover and 1 such rug cost $20. What is the cost of 1 cushion cover?

Ans : _____ [3]

5

8. Raj bought 35 party poppers at 7 for $66. Then he bought some light sticks
    at 9 for $8. He spent a total of $442 on the party poppers and light sticks. How
    many light sticks did he buy?

Ans : _____ [3]

9. Collin paid a total of $181 for a shirt, a pair of pants and a tie. The pair of pants cost $15 less than the shirt. The shirt cost 2 times as much as the tie. How much did the pair of pants cost?

Ans : _____ [3]

10. Dilys had 117 more beads than Elaine. After Elaine gave away 75 beads, Dilys had 3 times as many beads as Elaine. How many beads did Elaine have at first?

Ans : _____ [3]

8

11. Three children sold some muffins at a carnival. Amy sold $\frac{1}{6}$ of these muffins. Bosco sold 30 more muffins than Amy. Cathy sold the remaining 162 muffins. How many muffins did they sell altogether?

Ans : _____ [3]

12. The table below shows the number of pens in 3 boxes, A, B and C.

Box	Number of pens
A	460
B	272
C	584

An equal number of pens were removed from each of the 3 boxes. Box C then had 4 times as many pens left as Box B. How many pens were there in Box A in the end?

Ans : _____ [5]

13. There was a total of 336 red chairs and blue chairs in a school hall. There were 72 more red chairs than blue chairs. All the chairs were arranged equally in rows of 12. Each row was made up of only red chairs or blue chairs. How many rows of red chairs were there?

Ans : _____ [4]

14. In March, Mr Lawry sold 45 computers. In April, he sold $\frac{2}{3}$ of the number of computers sold in March.

(a) How many computers did he sell in March and April altogether?

(b) For each computer Mr Lawry sold, he was paid $50. For every 5 computers sold, he received an additional amount of $90.

Find the total amount of money he received in April.

Ans : (a) _____ [2]

(b) _____ [3]

15. Mr Ong had a total number of 576 toys in 2 shops, P and Q. After he transferred 90 toys from Shop Q to Shop P, Shop P had 8 times as many toys as Shop Q. How many toys were there in Shop P at first?

Ans : _____ [4]

13

16. Harriet, Ben and Celestine shared 318 cards equally. During a game, Ben lost 52 cards to Harriet and Celestine lost half of her cards to Harriet. How many more cards did Harriet have than Celestine in the end?

Ans : _____ [4]

17. A shopkeeper had some mangoes in 3 sizes. The number of medium mangoes was twice the number of large mangoes. The number of large mangoes was three times the number of small mangoes. The table below shows the prices of the mangoes.

Size	Price of 1 mango
Small	$4
Medium	$7
Large	$9

He sold all the small and medium mangoes. He received $486 from selling $\frac{1}{3}$ of the large mangoes.

(a) How many large mangoes did he have at first?

(b) How much more did he collect from selling the medium mangoes than the small mangoes?

Ans : (a) _____ [2]

(b) _____ [3]

** End of Paper **

15

School: ACS
School: St Nicholas
Level: P5
Subject: Maths
Term: CA1

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

Q16) 85 000   Q17) 0.375   Q18) 5790   Q19) 2.03 m   Q20) 11

Q21) 1.2 ℓ   Q22) 275 tickets   Q23) 190 participants   Q24) $\frac{6}{11}$ Q25) 3

Q26) 4.45 km   Q27) $\frac{2}{3}$ Q28) 15 white tiles   Q29) 640 cm   Q30) 90 stickers

Paper 2

Q1) $\frac{8}{8}$ (teachers) = $\frac{5}{8}$ (men) + $\frac{3}{8}$ (women)

   $\frac{8}{8}$ → 8 units

   8 units → 128
   1 unit → 128 ÷ 8 = 16
   3 units → 16 x 3 = 48
   Total → 48 + 40 → 88 women

Q2) $\frac{1}{2} = \frac{5}{10}$ $\frac{3}{5} = \frac{6}{10}$

   Total amount → $\frac{5}{10} + \frac{6}{10} = \frac{11}{10}$

   Used → $\frac{11}{10} - \frac{3}{10} = \frac{8}{10}$ kg

Q3)   1 packet of peanuts → $2.55
   3 packets of almonds = 5 packets of peanuts = 2.55 x 5 = 12.75
   1 packet of almonds = 12.75 ÷ 3 = $4.25

Q4) $10 - 7\frac{2}{9} = 2\frac{7}{9}$

   $6\frac{1}{6} - 2\frac{7}{9} = 3\frac{7}{18}$

Q5)   52, 58, 63, 69

Q6) $\frac{11}{11}$ → $\frac{4}{11}$ (white) + $\frac{7}{11}$ (purple)

Number of purple marbles = 133

$\frac{7}{11}$ → 7 units = 133

1 unit = 133 ÷ 7 = 19

Total → 11 units

11 units = 19 x 11 = 209 marbles

Q7) 6 cushion covers + 2 rugs → $88

1 cushion cover + 1 rug → $20

2 cushion covers + 2 rugs → 20 x 2 = $40

4 cushion covers → 88 – 40 = $48

1 cushion cover → 48 ÷ 4 = $12

Q8) Total number of part poppers he bought → 35

Number of sets he could buy → 35 ÷ 7 = 5

Cost of 5 sets → $66 x 5 = $330

Cost of all the light sticks → 442 – 330 = $112

Number of sets → $112 ÷ 8 = $14

Number of light sticks → 14 x 9 = 126 light sticks

Q9) $15 x 4 = $60

$181 - $60 = $121

$121 ÷ 5 = $24.20

$24.20 x 2 = $48.40

$48.40 + 15 = $63.40

Q10) 2 units → 117 + 75 = 192

1 unit → 192 ÷ 2 = 96

Elaine → 96 + 75 = 171 beads

Q11) 4 units → 162 + 30 + 192 = 192

2 units → 192 ÷ 2 = 96

96 + 192 = 288 muffins

Q12) 3 units – 584 – 272 = 312

1 unit → 312 ÷ 3 = 104

Number removed from each box → 272 – 104 = 168

460 – 168 = 292 pens

Q13) 336 + 72 = 408

408 ÷ 2 = 204

204 ÷ 12 = 17 rows

Q14) a) $\frac{3}{3}$ → 3 units $\frac{2}{3}$ → 2 units

3 units → 45
1 unit → 45 ÷ 3 = 15
$\frac{2}{3} + \frac{3}{3} = \frac{5}{3}$ (5 units)
5 units → 15 x 5 = 75 computers

b)   30 x $50 = $1500
30 ÷ 5 = 6
6 x 90 = $540
$1500 + $540 = $2040

Q15) 9 units → 576
1unit → 576 ÷ 9 = 64
64 + 90 = 154
575 – 154 = 422 toys

Q16) 318 ÷ 6 = 53
(53 x 2) + 52 = 158 cards

Q17) a)   162 large mangoes
b) $2052

End