Name : _____ (   )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

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)

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

2

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) $7\frac{1}{25}$

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

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

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

6. 31.4 = _____ tenths

(1) 314

(2) 31

(3) 3

(4) 4

3

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.
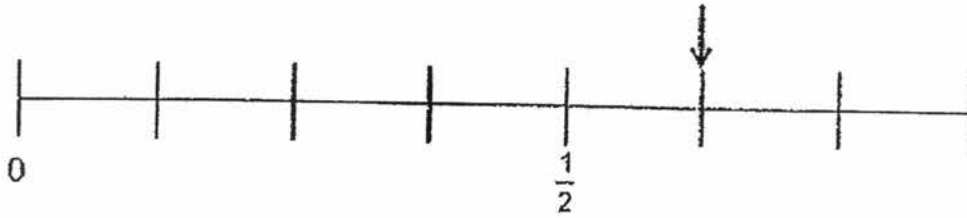
   (1) $88
   (2) $109
   (3) $130
   (4) $151

4

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

0                                    $\frac{1}{2}$

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

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

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

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

11. Find the value of A.

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

(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

6

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) ÷ 3
(2)   (960 - 448) ÷ 4
(3)   960 - 448 ÷ 3 + 1
(4)   960 - 448 ÷ 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?
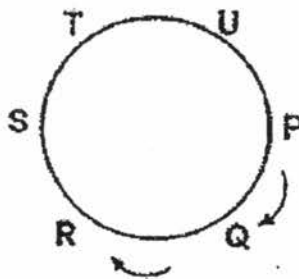
(1)   10
(2)   12
(3)   13
(4)   15

** END OF BOOKLET A**

Name : _____ (   )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

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

<u>INSTRUCTIONS TO CANDIDATES</u>

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 <u>NOT</u> ALLOWED.

This booklet consists of <u>8</u> 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)
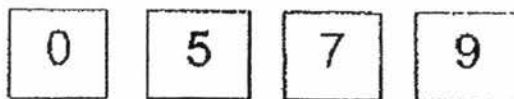
16. Find the value of 170 x 500.

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

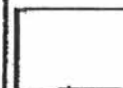20. Find the value of $6 + 24 \div 6 \times 2 - 3$.

Ans : _____

21.   The figure below shows a container filled with some water. How much more water is needed to fill the container with 2ℓ 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 :_____

4

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?
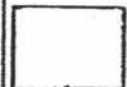
Ans : _____

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 : _____

5

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 : _____

6
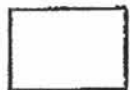
28. Melanie used some white and grey tiles to form figures that follow a pattern. The first three figures are shown below.
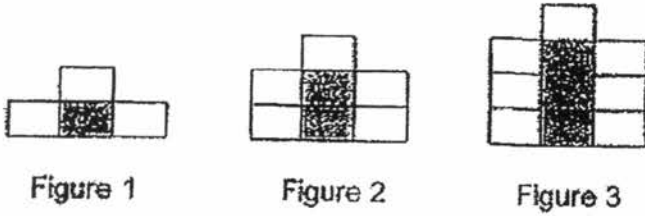

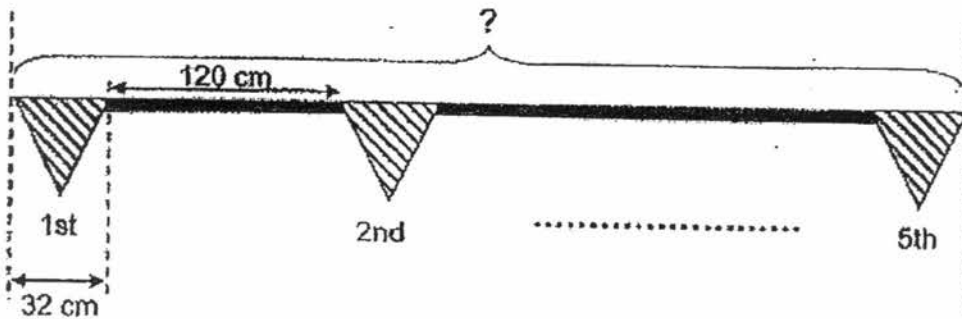Figure 1   Figure 2   Figure 3
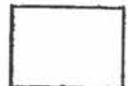
How many white tiles would she need to form Figure 7?

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

7

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 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

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

<u>INSTRUCTIONS TO CANDIDATES</u>

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 <u>15</u> 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

2

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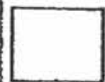
5. The table below shows the difference between the digits in some 2-digit numbers.

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 : _____

4

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)

6. A box contains white and purple marbles. $\frac{4}{11}$ 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]

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.

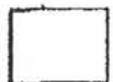   (a) How many computers did he sell in March and April altogether?

    (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]

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 **

EXAM PAPER 2017 (P5)

SCHOOL : CHIJ

SUBJECT : MATHEMATICS

TERM : CA1

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

16) $170 \times 500 = 170 \times 5 \times 100$

   $= 850 \times 100 = 85000$

17) $3 \div 8 = 0.375$

18) 5790

19) $12.18 \div 6 = 2.03$

20) $= 6 + 4 \times 2 - 3$

   $= 6 + 8 - 3$

   $= 14 - 3 = 11$

21) $2 - 0.8 = 1.2L$

22) 5 sold → 10 x 5 = 50

   Rest → 20 − 5 = 15

   Rest + Sold → 15 x 15 = 225

   Total sold → 50 + 225 = 275

23) 3 units → 114

   1 unit → 114 ÷ 3 = 38

   5 units → 38 x 5 = 190

24) total boys and girls → 9 + 10 + 6 + 8 = 33

   Total girls → 10 + 8 = 18

   18/33 ÷ 3 = 6/11

25) 200 x 9 = 1800

   5400 ÷ 1800 = 3

26) Michael → 1.8 + 0.85 = 2.65

   Total → 2.65 + 1.8 = 4.45km

27) 4 ÷ 6 = 4/6 = 2/3

28) Figure 4 → 7 + 2 = 9

   Figure 5 → 9 + 2 = 11

   Figure 6 → 11 + 2 = 13

   Figure 7 → 13 + 2 = 15

29) 5 flags → 32 x 5 = 160

   Total distance apart → 120 X 4 = 480

   Total length of pole → 160 + 480 = 640 cm

30) 1 unit = 300 ÷ 5 = 60

4 units = 60 x 4 = 240

3 units = 240 − 60 = 180

give Jane → 180 ÷ 2 = 90

paper 2

1) 1 unit = 128 ÷ 8 = 16

Women teachers → 8/8 − 5/8 = 3/8

3 units = 16 x 3 = 48

Total women → 48 + 40 = 88

2) ½ + 3/5 = 5/10 + 6/10 = 11/10

Used → 11/10 − 3/10 = 8/10 = 4/5 kg

3) 5 packets of peanuts → $2.55 x 5 = $12.75

3 packets of almonds → $12.75

1 packet of almonds → $12.75 ÷ 3 = $4.25

4) $6\frac{1}{6} \times 3 = 6\frac{3}{18}$

$2\frac{7}{9} \times 2 = 2\frac{14}{18}$

$6\frac{3}{18} - 2\frac{14}{18} = 5\frac{21}{18} - 2\frac{14}{18} = 3\frac{7}{18}$

5) 52 (5 − 2 = 3)

58 (8 − 5 = 3)

63 (6 − 3 = 3)

69 (9 − 6 = 3)

6)purple marbles→11/11 – 4/11 = 7/11

7 units = 133

1 unit = 133 ÷ 7 = 19

11 units = 19 x 11 = 209

7)2 cushion coves and 2 rugs→$20 x 2 = $40

4 cushion covers →$88 – $40 = $48

1 cushion coves →$48 ÷ 4 = $12

8)total party poppers bought→$66 x 5 = $330

money spent on light sticks→$442 – $330 = $112

$112 ÷ $8 = 14

Total light sticks bought→14 x 9 = 126

9)5 units = $181 + $15 = $196

1 unit = $196 ÷ 5 = $39.20

2 units = $39.20 x 2 = $78.40

Pair of Pants→$78.40 – $15 = $63.40

10)2 units = 117 + 75 = 192

1 unit = 192 ÷ 2 = 96

Elaine have at first →96 + 75 = 171

11)4 units = 162 + 30 = 192

1 unit = 192 ÷ 4 = 48

6 units = 48 x 6 = 288

12) 3 units = 584 − 272 = 312

1 unit = 312 ÷ 3 = 104

4 units = 104 x 4 = 416

Removed → 584 − 416 = 168

Box A in the end → 460 − 168 = 292

13) 336 + 72 = 408

408 ÷ 12 = 204

204 ÷ 12 = 17

14) 1 unit = 45 ÷ 3 = 15

5 units = 15 x 5 = 75

April → 15 x 2 = 30

Each computer → 30 x $50 = $1500

30 ÷ 5 = 6

$90 x 6 = $540

Total money in April → $1500 + $540 = $2040

a) 75

b) $2040

15) 9 units = 576

1 unit = 576 ÷ 9 = 64

Shop Q at first → 576 ÷ 9 = 64

Shop P at first → 576 − 154 = 422

16) 3 units = 318

   1 unit = 318 ÷ 3 = 106

   Celestine in the end →106 ÷ 2 = 53

   Harriet in the end →106 + 53 + 52 = 211

   211 − 53 = 158

17) 1 unit = $486 ÷ $9 = 54

   3 units = 54 x 3 = 162

   No. of Medium mangoes →54 x 6 = 324

   Medium mangoes: Amt collected→324 x $7 = $2268

   162 ÷ 2 = 54

   Small mangoes: Amt collected→54 x $4 = 216

   Amt collected →$2268 − $216 = $2052

   a)162

   b)$2052