

Name : \_\_\_\_\_ ( )

Class : Primary 5 \_\_\_\_\_

## CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2010 Continual Assessment One

Paper 1

Booklet A

1 March 2010

15 QUESTIONS  
20 MARKS

TOTAL TIME FOR BOOKLETS A AND B: 50 MINUTES

### INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

The use of calculators is NOT allowed.

*This booklet consists of 6 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, 4) on the Optical Answer Sheet (OAS). [20 marks]

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1) In 7 859 312, the digit \_\_\_\_\_ is in the ten thousands place.

(1) 3

(2) 5

(3) 8

(4) 9

2) 6 543 750 is \_\_\_\_\_ more than 6 143 750.

(1) 4 x 100

(2) 4 x 1 000

(3) 4 x 10 000

(4) 4 x 100 000

3) 8 millions + 700 hundreds + 10 tens + 5 ones = \_\_\_\_\_

(1) 8 700 015

(2) 8 070 150

(3) 8 070 105

(4) 8 000 715

4) Which one of the following is the closest estimate of  $39 \times 62$ ?

(1) 3000

(2) 2400

(3) 2100

(4) 1800





- 12) Geraldine wrote the number sentence  $7923 \times 40$  instead of  $9723 \times 40$ . What was the difference between the two products?

(1) 7 200

(2) 18 000

(3) 28 800

(4) 72 000

- 13) Bonnie bought 1 bowl and 4 plates for \$108. Each plate cost twice as much as each bowl. How much did one plate cost?

(1) \$24

(2) \$13.50

(3) \$12

(4) \$ 7.20

- 14) A group of 5 boys and 3 girls shared a box of pencils. After they had taken 2 pencils each, there were 4 pencils left. Which one of the number sentences shows the total number of pencils in the box at first?

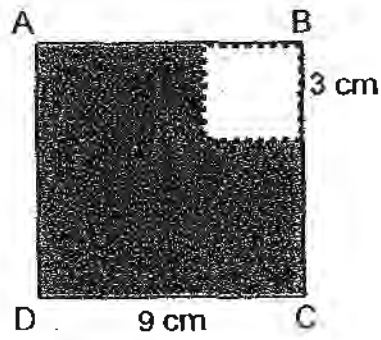
(1)  $5 + 3 \times 2 + 4$

(2)  $5 + 3 + (2 \times 4)$

(3)  $(5 + 3) \times 2 + 4$

(4)  $(5 \times 2) + (3 \times 4)$

- 15) ABCD is a 9-cm square. A small square of side 3 cm is cut off as shown in the figure below. What is the area of the remaining piece of paper?



- (1)  $27 \text{ cm}^2$                       (2)  $36 \text{ cm}^2$   
(3)  $54 \text{ cm}^2$                       (4)  $72 \text{ cm}^2$

End of Booklet A

Name : \_\_\_\_\_ ( )

Class : Primary 5 \_\_\_\_\_

## CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2010 Continual Assessment One

Paper 1

Booklet B

1 March 2010

Booklet A	/ 20
Booklet B	/ 20
Total	/ 40

15 QUESTIONS  
20 MARKS

TOTAL TIME FOR BOOKLETS A AND B: 50 MINUTES

### INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

The use of calculators is NOT allowed.

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

Questions 16 to 25 carry 1 mark each. Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated.

[10 marks]

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16) Write 5 047 319 in words.

Ans : \_\_\_\_\_  
\_\_\_\_\_

17) Complete the number pattern.

6 298 104 , 5 098 104 , \_\_\_\_\_ , 2 698 104

Ans : \_\_\_\_\_

18) In 600 284, the value of the digit 6 is \_\_\_\_\_ times the value of the digit 2.

Ans : \_\_\_\_\_

- 19) The price of a 4-room HDB flat is \$300 000 when rounded off to the nearest thousand. What is the largest possible price of the 4-room flat?

Ans : \$ \_\_\_\_\_

- 20) Subtract 68 000 from 10 million.

Ans : \_\_\_\_\_

- 21) What is the missing number in the box?

$$\frac{12}{16} = \frac{\boxed{?}}{20}$$

Ans : \_\_\_\_\_

- 22) Find the sum of  $\frac{3}{4}$  and  $\frac{3}{7}$ . Express your answer as a mixed number.

Ans : \_\_\_\_\_

- 23) The figure shows some identical beads. How many unshaded beads must be removed so that  $\frac{2}{3}$  of the figure is shaded?

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Ans : \_\_\_\_\_

- 24) How many lines of symmetry does the figure have altogether?



Ans : \_\_\_\_\_

- 25) Some flag poles are placed along the perimeter of a field measuring 15 m by 12 m. The flag poles are placed equally apart. If the first flag pole is placed on the point marked A and the distance between each flag pole is 3 m, find the total number of flag poles used.



Ans : \_\_\_\_\_

Questions 26 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. [10 marks]

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- 26) After Ace spent  $\frac{4}{9}$  of his money on food and some money on clothes, he had  $\frac{1}{12}$  of his money left. What fraction of his money was spent on clothes? Leave your answer in the simplest form.

Ans : \_\_\_\_\_

- 27) Miss Chia had 525 key chains. She packed the key chains into packets of 5 and sold each packet for \$13. How much money did she collect after selling all the packets of key chains?

Ans : \$ \_\_\_\_\_

- 28) 6 identical square tiles were used to form the figure as shown below. Each tile has an area of  $49 \text{ cm}^2$ . What is the perimeter of the figure?



Ans : \_\_\_\_\_ cm

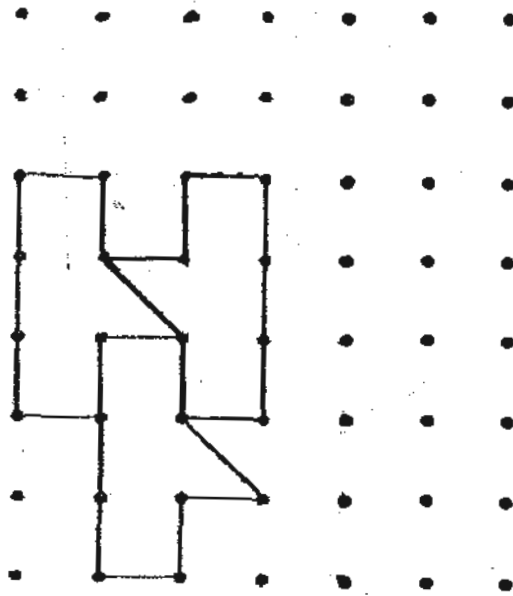
- 29) Find the value of  $56 \div (16 - 8) + 4 \times 6$ .

Ans : \_\_\_\_\_

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- 30) The pattern in the box shows part of a tessellation. Shade one unit shape and draw another unit shape to extend the tessellation.

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End of Paper 1

Name: \_\_\_\_\_ ( )

Class : Primary 5 \_\_\_\_\_

## CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2010 Continual Assessment One

Paper 2

1 March 2010

\_\_\_\_\_  
Parent's/Guardian's Signature

Paper 1	40
Paper 2	60
Total Mark	100

**18 QUESTIONS**

**60 MARKS**

**TOTAL TIME FOR PAPER 2 : 1 HOUR 40 MINUTES**

### INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

The use of an approved calculator is expected, where appropriate.

*This booklet consists of 13 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]

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- 1) Using the digits below, form the largest and the smallest 6-digit number. Find the difference between these 2 numbers.

7	4	0	2	8	3
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Ans : \_\_\_\_\_

- 2) Round off the product of 4277 and 36 to the nearest hundred.

Ans : \_\_\_\_\_

- 3) There are 2 boxes, Box A and Box B. Box A has a mass of  $\frac{1}{4}$  kg. It is  $\frac{1}{6}$  kg lighter than Box B. Find the total mass of the 2 boxes. Leave your answer in the simplest form.

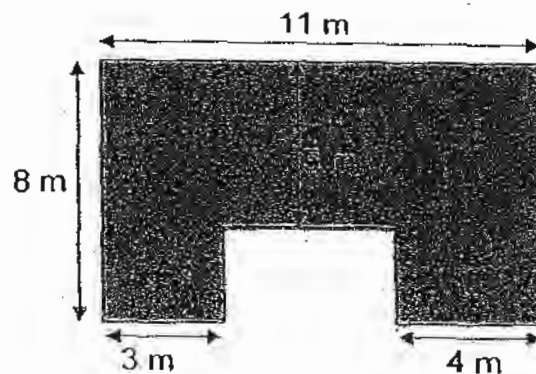
Ans : \_\_\_\_\_ kg

- 4) A chef bought 26 kg of fish and 48 kg of prawns for \$1254. If 1kg of prawns cost \$18, what was the cost of 1 kg of fish?

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Ans : \$ \_\_\_\_\_

- 5) What is the area of the figure shown below?  
(All the lines meet at right angles)



Ans : \_\_\_\_\_ m<sup>2</sup>

For questions 6 to 18, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets ( ) at the end of each question or part-question.

[50 marks]

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- 6) Zhong Zhong and Jude had \$28 700 altogether. When Zhong Zhong spent \$1938 and Jude spent \$1436, both of them had the same amount of money left. How much money did Zhong Zhong have at first?

Ans: \_\_\_\_\_ (3 m)

- 7) Siva bought an apartment for \$503 872. He paid a deposit of \$20 800 and paid the remaining amount in equal monthly instalments for 16 years. How much was each monthly instalment?

Ans: \_\_\_\_\_ (3 m)

- 8) Tanisha had as much money as her sister at first. After Tanisha spent \$78 on a dress, her sister had 4 times as much money as her. How much money did both girls have altogether at first?

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Ans: \_\_\_\_\_ (3 m)

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- 9) Kanxi is 5 times as old as Jaycee this year. Jaycee is 9 years old now. In how many years' time will Kanxi's age be twice that of Jaycee?

Ans: \_\_\_\_\_ (3 m)

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- 10) Mrs Lin bought a green and blue ribbon of  $\frac{7}{8}$  m each. She used  $\frac{2}{3}$  m of the green ribbon. Find the difference between the blue ribbon and the unused green ribbon. Express your answer in its simplest form.

Ans: \_\_\_\_\_ (3 m)

- 11) The cost of carpeting a field with grass is \$0.58 per  $\text{m}^2$ . A field of width 15 m is covered by grass for \$600.30. Find the length of the field.

Ans: \_\_\_\_\_ (3m)

- 12) The sum of 3 numbers is 3251. The first number is twice the second number. The third number is 5 less than the second number. Find the biggest number. [5]

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Ans: \_\_\_\_\_ (4m)

- 13) Tian Tian packed a recycling bin with newspapers and its total mass was 727 kg. Joy packed an identical recycling bin with plastic bottles and its total mass was 271 kg. The mass of the newspapers was 3 times as heavy as the mass of the plastic bottles. Find the mass of the recycling bin.

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Ans: \_\_\_\_\_ (4m)

- 14) The table below shows the charges for the entrance tickets to an amusement park.

	Price of ticket
Adult	\$50
Child	\$35

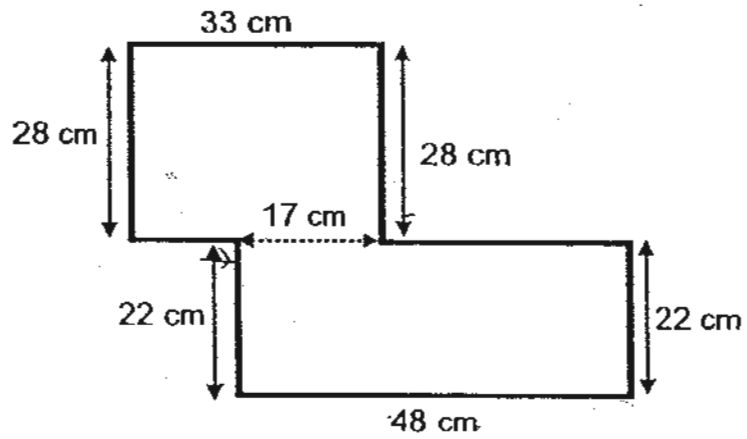
- a) Mr and Mrs Zhang went to the amusement park with their three children. How much money did Mr Zhang pay in all?
- b) A group of children and adults paid a total of \$1320 for their entrance tickets to the amusement park. Given that there were 30 people in all, how many children were in the group?

Ans: (a) \_\_\_\_\_ (1m)

(b) \_\_\_\_\_ (4 m)

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- 15) Maiya had a piece of wire 180 cm long. She wanted to bend the wire into a figure shown below. How much more wire did she need?  
(Note: All the lines meet at right angles)



Ans: \_\_\_\_\_ (4m)

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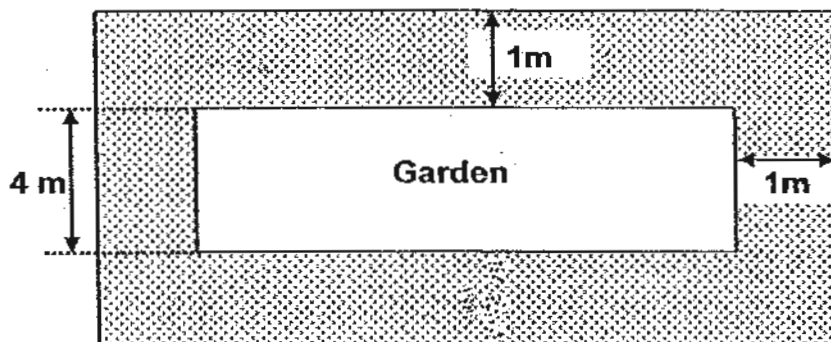
- 16) Mrs Kwan received \$4 for every box of chocolate sold. In addition, she would receive an extra \$15 for every 12 boxes of chocolates sold. If she had received \$3040, how many boxes of chocolates did she sell in all?

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Ans: \_\_\_\_\_ (5m)

- 17) The figure shows a rectangular garden with a path of 1m wide all around it. The length of the garden is 3 times its breadth. If the breadth is 4 m, find the area of the path.

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Ans: \_\_\_\_\_ (5m)

18) Jewel bought some strawberries and wanted to put them into boxes. If she put 4 strawberries into each box, there would be 3 strawberries left. If she put 6 strawberries into each box, she would have 5 strawberries left.

a) If the number of strawberries was between 100 and 150, how many strawberries did Jewel buy?

b) Jewel decided to put all the strawberries equally into bags of 16.

Find the minimum number of bags that she would need.

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Ans: a) \_\_\_\_\_ (4m)

b) \_\_\_\_\_ (1m)

End of Paper

# ANSWER SHEET

**EXAM PAPER 2010**

**SCHOOL : CHIJ PRIMARY**  
**SUBJECT : PRIMARY 5 MATHEMATICS**

**TERM : CA1**

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

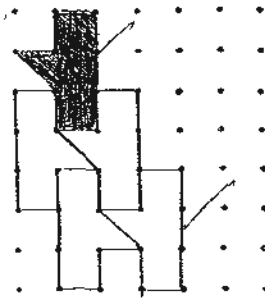
16) Five million, forty-seven thousand, three hundred and nineteen .

17) 3898104      18) 3000      19) \$300499      20) 9932000      21) 15

22)  $15/28$       23) 6      24) 2      25) 18      26)  $17/36$

27) \$1365      28) 98cm      29) 31

30)



**Paper 2**

1)670842	2)154000
3) $\frac{1}{4} \text{ kg} + \frac{1}{6} \text{ kg} = \frac{5}{12} \text{ kg (B)}$ $\frac{5}{12} \text{ kg} + \frac{1}{4} \text{ kg} = \frac{2}{3} \text{ kg}$	4) $48 \times \$18 = \$864$ (all the pranks) $\$1254 - \$864 = \$390$ $\$390 \div 26 = \$15$
5) $3 \times 4 = 12$ $11 \times 8 = 88$ $88 - 12 = 76 \text{ m}^2$	6) $\$1436 + \$1938 = \$3374$ $\$28700 - \$3374 = \$25326$ $\$25326 \div 2 = \$12663$ $\$12663 + \$1938 = \$14601$ He had \$14601 at first.
7) $\$503872 - \$20800 = \$483072$ 16 years $\rightarrow 16 \times 12 \text{ months} = 192 \text{ month}$ $\$483072 \div 192 = \$2516$ Each monthly installment was \$2516	8) 3 units $\rightarrow \$78$ 1 unit $\rightarrow \$78 \div 3 = \$26$ $\$26 \times 4 = \$104$ (sister) $\$104 \times 2 = \$208$ They had \$208 altogether at first.
9) 27	10) $\frac{7}{8} \text{ m} - \frac{2}{3} \text{ m} = \frac{5}{24} \text{ m}$ $\frac{7}{8} \text{ m} - \frac{5}{24} \text{ m} = \frac{2}{3} \text{ m}$ The difference between the green and blue ribbon is $\frac{2}{3} \text{ m}$ .
11) $\$600.30 \div \$0.58 = 1035$ $1035 \div 15 = 69$ The field's length is 69m.	12) $3251 + 5 = 3256$ $3256 \div 4 = 814$ $814 \times 2 = 1628$ The biggest number is 1628
13) $727 \text{ kg} - 271 \text{ kg} = 456 \text{ kg}$ $n - p \rightarrow 456 \text{ kg}$ $3p - p \rightarrow 456 \text{ kg}$ $3 - 1 = 2$ $456 \div 2 = 228 \text{ kg (p)}$ $271 \text{ kg} - 228 \text{ kg} = 43 \text{ kg}$ The mass of the recycling bin is 43kg.	14) a) $2 \times \$50 = \$100$ $3 \times \$35 = \$105$ $\$100 + \$105 = \$205$ He had to pay \$205 altogether. b) Assuming all were children $\$35 \times 30 = \$1050$ $\$1320 - \$1050 = \$270$ $\$50 - \$35 = \$15$ $\$270 \div \$15 = 18$ (adults) $30 - 18 = 12$ There were 12 children.

<p>15) <math>33+28+31+22+48+22+16+28</math>  <math>=228</math>  <math>228 - 180=48</math>  She needed 48cm more wire.</p>	<p>16) <math>\\$12 \times 4 = \\$48</math>  <math>\\$48 + 15 = \\$63</math> (every twelve boxes)  <math>\\$3040 \div 63 = 48</math> R16 <math>\rightarrow</math> \$16  <math>\\$16 \div 4 = 4</math> (boxes)  <math>48 \times 12 = 576</math> (boxes)  <math>576 + 4 = 580</math> (Boxes)</p>
<p>17) <math>3 \times 4 = 12</math> (length of garden)  <math>4 \times 12 = 48</math> (area of garden)  <math>1 + 1 = 2</math>  <math>4 + 2 = 6</math>  <math>12 + 2 = 14</math>  <math>14 \times 6 = 84</math>  <math>84 - 48 = 36</math>  The area of the path is 36m<sup>2</sup></p>	<p>18) a) 131  b) 9</p>