Name : _____(   )

Class : Primary 5_____

CHIJ ST NICHOLAS GIRLS' SCHOOL(PRIMARY)

Primary 5

Semestral Assessment One

Mathematics

10 May 2010

Paper 1

Booklet A

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 5 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]

1) How many thousands are there altogether in a million?

(1) 100

(2) 1 000

(3) 10 000

(4) 100 000

2) What is the value of $88 - 15 \times 4 + (63 - 49) \div 7$?

(1) 6

(2) 26

(3) 30

(4) 438

3) Find the difference between $7\frac{1}{6}$ and $2\frac{4}{9}$.

(1) $4\frac{5}{9}$

(2) $4\frac{13}{18}$

(3) $5\frac{5}{18}$

(4) $9\frac{11}{18}$

4) What is the total sum of the values of the digit 8 in 9 894 123 and 285 074?

(1) 160 000

(2) 720 000

(3) 880 000

(4) 1 600 000

5)   What is the value of $\dfrac{13}{4} \times \dfrac{7}{12}$?

(1) $\dfrac{7}{39}$

(2) $1\dfrac{1}{4}$

(3) $1\dfrac{43}{48}$

(4) $5\dfrac{4}{7}$

6) $2\dfrac{1}{3} - \boxed{?} = \dfrac{7}{9}$

(1) $1\dfrac{5}{9}$

(2) $2\dfrac{4}{9}$

(3) $2\dfrac{5}{9}$

(4) $3\dfrac{1}{9}$

7)   7 guests each ate $\dfrac{3}{10}$ slices of pizza at a gathering. If there were 12 pizzas, what fraction of the pizzas were left?

(1) $4\dfrac{1}{10}$

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

(3) $7\dfrac{4}{5}$

(4) $9\dfrac{9}{10}$

3

8) Mrs Ho used a total of $\frac{5}{6}$ kg of sugar in March and April. She used $\frac{7}{12}$ kg more sugar in March than in April. How much sugar did she use in April?

(1) $\frac{17}{24}$ kg

(2) $\frac{1}{4}$ kg

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

(4) $\frac{1}{12}$ kg

9) Mr Goh is 3 times as old as his daughter who is 12 years old. What will be their total age in 13 years' time?

(1) 48 years old

(2) 61 years old

(3) 74 years old

(4) 77 years old

10) For every dozen of honey dews ordered, Fatimah would receive 1 honey dew free of charge. How many honey dews would she receive free of charge if she were to order 104 honey dews?

(1) 7

(2) 8

(3) 9

(4) 10

11) Find the value of 399 x 200 hundreds.

(1) 7 980

(2) 79 800

(3) 798 000

(4) 7 980 000

4

12) Melanie jogged $2\frac{3}{7}$ km. This was $\frac{3}{4}$ km less than what Joey had jogged. What was the total distance they jogged?

(1) $3\frac{13}{14}$ km

(2) $3\frac{5}{28}$ km

(3) $4\frac{3}{28}$ km

(4) $5\frac{17}{28}$ km

13) What is the missing number in 4 : _____ = 28 : 63 ?

(1) 7

(2) 9

(3) 39

(4) 441

14) The breadth of a rectangle is $\frac{2}{5}$ m. The length of the rectangle is thrice as long as its breadth. What is the perimeter of the rectangle?

(1) $1\frac{1}{15}$ m

(2) $1\frac{3}{5}$ m

(3) $3\frac{1}{15}$ m

(4) $3\frac{1}{5}$ m

15) Sherman spent $141 and Eunice spent $72 more than he did. Which one of the following shows the ratio of the amount of money spent by Eunice to that by Sherman?

(1) 23 : 47

(2) 24 : 47

(3) 47 : 71

(4) 71 : 47

End of Booklet A

5

Name : _____ ( )

Class : Primary 5_____

CHIJ ST NICHOLAS GIRLS' SCHOOL(PRIMARY)

Primary 5

Semestral Assessment One

Mathematics

10 May 2010

Paper 1

Booklet B

Booklet B ·	/ 20

TOTAL TIME FOR BOOKLETS A AND B: 50 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.
The use of calculators is <u>NOT</u> 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]

16) Use all the digits to form the <u>greatest</u> 7-digit <u>odd</u> number which is greater than 5 000 000 but smaller than 8 000 000.

| 2 | 5 | 0 | 3 | 6 | 8 | 1 |

Ans : _____

(7) Complete the number pattern.

3 720 , _____ , 620 , 155, 31

Ans : _____

18) Write in numeral.

Nine million, ten thousand and thirty-two.

Ans : _____

2

19) Arrange the numbers and symbols to form a number sentence with the answer 47.

| 4 | 19 | 7 | + | x |

Ans : _____

20) The number of people who turned up at a book fair was 410 000 when rounded off to the nearest thousand. What was the smallest possible number of people who turned up at the book fair?

Ans : _____

21) There are 128 beads in a box. 56 of them are red beads and the rest are green beads. Find the ratio of the number of green beads to the number of red beads.

Ans : _____

22) Find 11 ÷ 3. Express your answer as a mixed number.

Ans : _____

3

23) What is the missing number in the box?

$$64.25 = 64 + \dfrac{\boxed{?}}{4}$$

Ans : _____

24) Elise used $\dfrac{7}{8}$ m of ribbon to decorate her scrapbook. Jana used $\dfrac{2}{3}$ of the ribbon that Elise had used. What was the length of the ribbon used by Jana?

Ans : _____ m

25) $\dfrac{1}{3}$ of a pizza was shared equally among 4 children. What fraction of the pizza did each child get?

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]

Do no
write i
this sp

26) Wee Lin bought $22\dfrac{3}{10}$ kg of flour. She baked 9 identical cakes for her customers and used $\dfrac{1}{4}$ kg of flour for each cake. How much flour did she have left?

Ans : _____ kg

27) Raju mixed $\dfrac{2}{5}$ ℓ of syrup with $\dfrac{1}{2}$ ℓ of water. He then poured the mixture equally into 15 cups. What was the volume of mixture in each cup?

Ans : _____ ℓ

5

28) The number of cats and the number of dogs in a pet farm is in the ratio 4 : 9 respectively. If there are 110 more dogs than cats, how many cats are there?

Ans :_____

29) The sum of three fractions is $6\frac{3}{5}$. The first fraction is $\frac{5}{6}$ and is $3\frac{5}{6}$ less than the second fraction. What is the third fraction?

Ans : _____

6

30) The ratio of the number of children to the number of adults at a carnival was 23 : 32. There were 345 children. How many people were there at the carnival?

Ans : _____

End of Paper 1

Name: _____ (   )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL(PRIMARY)

Primary 5

Semestral Assessment One

Mathematics

10 May 2010

Paper 2

Paper 1	40
Paper 2	60
Total Mark	100

Parent's/Guardian's Signature

TIME : 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]

Do not write in this space.

1) Vishnu had 6kg of flour. He divided them into 15 equal portions and gave 9 portions away. What was the mass of flour that was left?

Ans : _____ kg

2) Faye had 2685 stickers. She gave $\frac{1}{5}$ of her stickers to her cousin and $\frac{2}{3}$ of the remainder to her sister. How many stickers did she have left?

Ans : _____

3) Brandon needs to build a wall made up of 855 bricks. The mass of each brick is $\frac{3}{8}$ kg. What is the total mass of the bricks needed? Express your answer as a decimal, correct to 1 decimal place.

Ans : _____ kg

4) Express $71\frac{6}{13} - 48\frac{5}{6}$ as a decimal. Leave your answer correct to 2 decimal places.

Ans : _____

5) What is the fraction that is exactly halfway between $3\frac{1}{4}$ and $3\frac{2}{3}$?

Ans : _____

3

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]

6) Mr Yeo bought $20\frac{7}{10}$ kg of prawns at $11 per kilogram. He gave the fishmonger $300. How much change did Mr Yeo receive?

Ans: _____ (3 m)

7) Jaymee bought a plot of land and paid for it in instalments. After paying a monthly instalment of $13 282 for 12 months, she still had to pay another $52 056. If she were to pay for the plot of land in 15 equal monthly instalments, how much would each instalment be?

Ans: _____ (3 m)

4

8) A small rectangle was cut from a bigger rectangle as shown below. Find the ratio of the area of the remaining portion to the area of the small rectangle.

24 cm

14 cm

19 cm

11 cm
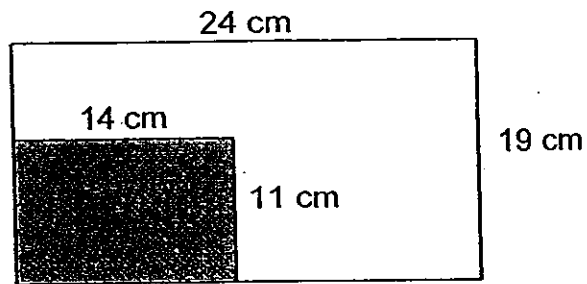
Ans: _____ (3 m)

9) Each air ticket to Korea costs 6 times as much as each air ticket to Malaysia. Winnie bought 2 air tickets to each destination and spent $4067. What is the cost of one air ticket to Korea?

Ans: _____ (3 m)

5

10) 76 workers had to paint the some clay figurines for a charity bazaar. However, one worker was sick and the rest of the workers had to paint 4 more clay figurines each. How many clay figurines did they have to paint altogether?

Ans: _____ (3m)

11) The breadth of a photograph frame is $12\frac{3}{4}$ cm and its length is $2\frac{3}{8}$ cm longer. Find the perimeter of the photograph frame. Express your answer as a decimal.

Ans: _____ (3m)

6

12) The table below shows the charges at a car park.

7 a.m. to 5 p.m.	$0.65 per entry
5 p.m. to 12 midnight	$1.50 per hour or part thereof
After 12 midnight	$1.20 per half an hour

Esther parked her car at the car park from 3.30 p.m. to 3.30 a.m. on the following day. How much did she have to pay in all for the parking fees?

Ans: _____ (4m)

7

(3) Vernice had \$1196 more than Ethan. If Vernice were to give $\frac{1}{7}$ of her money to Ethan, she would have 4 times as much money as Ethan. How much money did Ethan have ?

Ans: _____ (4 m)

44) Ravi and Ahmad had the same amount of savings at first. Then Ravi spent $\frac{1}{5}$ of her savings and Ahmad spent $\frac{2}{3}$ of his savings. If Ravi spent $5201 less than Ahmad, how much did each of them have at first?

Ans: _____ (4 m)

15) Jermaine bought 536 coin pouches at 8 for $4.95. She then sold all of them at $1.30 each. How much money did she make? → profit

Ans: _____ (5m)

16) Yani spent $\frac{3}{10}$ of her salary on food. She spent $\frac{1}{4}$ of the remainder on a luggage bag and $120 more on a briefcase than on the luggage bag. She had $468 left. How much was her salary?

Ans: _____ (5m)

17) There were 800 men, women and children at an art exhibition. $\frac{1}{5}$ of the people left after some time. Then another 206 people came.

a) How many people were at the exhibition finally?

b) Among the final number of people at the exhibition, the number of children was $\frac{1}{8}$ of the number of adults. There were 36 fewer men than women. How many men were there?

Ans: (a) _____ (1m)

(b) _____ (4 m)

(8) Molly used $50, $5 and $2 notes to pay for a diamond ring. The cost of the diamond ring was $1119 and Molly paid the cashier with 45 notes. How many of each type of notes did the cashier receive?

Ans: $50 notes: _____

$5 notes: _____

$2 notes: _____

(5m)

End of Paper

13
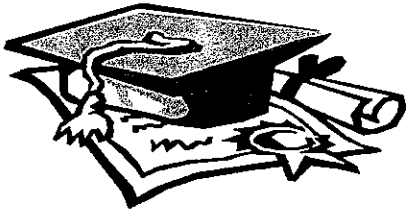
ANSWER SHEET

EXAM PAPER 2010

SCHOOL : CHIJ PRIMARY
SUBJECT : PRIMARY 5 MATHEMATICS

TERM   :   SA1
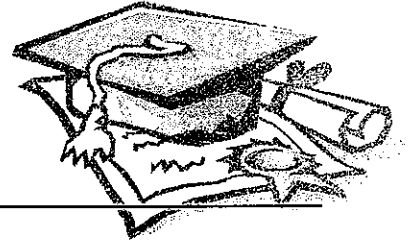
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
2	3	2	3	3	1	4	3	3	2	4	4	2	4	4

16)6853201   17)1860   18)9010032   19)4x7+19=47

20)409500   21)9:7   22)32/3   23)1   24)7/12m   25)1/12

26)201/20KG   27)3/50L   28)88   29)11/10   30)825

Paper 2

1)6÷15=0.4 　0.4x9=3.6 　6−3.6=2.4kg 　2.4kg of flour was left.	2)2685 x 1/5=537 (cousin) 　2685 − 537=2148 (remainder) 　2148 x 2/3=1432 (sister) 　537 + 1432 =1969 　2685 − 1969=716 　She had 716 stickers left.
3)855 x 3/8=320 5/8 　320 5/8≈320.62 　≈320.6 　The total mass of the bricks is 320.6kg.	4)716/13 − 485/6 =2249/78 　2249/78≈22.628 　22.628≈22.63
5)3¼ = 33/12 　32/3 = 38/12 　33/12 = 36/24 　38/12 = 316/24 　316/24 = 311/24 　The fraction is 311/24	6)207/20 x $11=$227.70 　$300 - $227.70=$72.30 　He received $72.30 change.

7)$13282 x 12=$159384
   $158384 + $52056=$211440
   $211440÷15=$14096
Each instalment would be $14096
	8)24 x 19 = 456
	   14 x 11 = 154
	   456 − 154 =302 (remaining)
	   302 : 154 = 151 : 77
	The ratio of the remaining area
	   to the area of the small rectangle
	   is 151 : 77

9)Altogether 14 units
   $4067÷14=$290.50
   1 unit→ $290.50
   6 units→$290.50 x 6= $1743
An air ticket to Korea coasts $1743.
	10)76 − 1 = 75
	   75 x 4 = 300 (each person)
	   76 x 300 = 22800
	They had to paint 22800 figurines
	   altogether.

11)12¾ + 23/8 = 151/8 (length)
   151/8 + 12¾ = 277/8
   277/8 x 2 =55¾
   55¾ = 55.75
The perimeter of the frame is
   55.75cm.
	12)3.30 to 5→ $0.65
	   5pm to 12pm→$10.50
	   12 to 3.30→$8.40
	   $0.65 + $10.50÷$8.40=$19.55
	   She paid $19.55

13)$92	14)10/15 − 3/15=7/15
	   7/15 → $5201
	   1/15 → $743
	   15/15 → $11145
	Each had $11145 at first.

15)536÷8=67
   67 x $4.95 = $331.65
   536 x $1.30 = $696.80
   $696.80 - $331.65 = $365.15
   She made $365.15
	16)1- 3/10 = 7/10 (remainder)
	   7/10 x ¼ = 7/40 (luggage bag)
	   3/10 + 7/10 +7/40= 13/20
	   $468 + $120 = $588
	   1 − 13/20 = 7/20
	   7/20→$588
	   1/20→$588÷7=$84
	   1→$84 x 20= $1680
	Her salary was $1680.

17)a)800 x 1/5 = 160 (left)
    800 − 160=640
    640 + 206= 846
  There were 846 people at the
exhibition finally.
    b)8 + 1 =9 (units)
    846÷9 = 94 (children)
    94 x 8 = 752 (adults)
    752 − 36 = 716
    716÷2 = 358
There were 358 men.

18)He received 20 $50-notes,
    23 $5-notes and 2 $2-notes.