Name : _____ ( )

Class : Primary 3 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 3 Mathematics

2012 Semestral Assessment One

8 May 2012

Section A :	/ 40
Section B & C :	/60
Total Marks:	/100

Parent's Signature : _____

Duration of Paper : 1 h 45 min

Do not open the booklet until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This paper consists of 20 printed pages including this cover page.

SECTION A: (20 x 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

1. Find the sum of 4 hundreds 3 ones and 2 hundreds 9 tens. How many tens are there altogether in the sum?

   1) 6 2) 9

   3) 69 4) 93

2. 3167 is 929 more than _____.

   1) 1858 2) 2238

   3) 4096 4) 6334

3. 8401 – 4773 = _____ – 288

   1) 3340 2) 3628

   3) 3916 4) 4204

4. Julie thought of a number. She added 25 to it and then subtracted 12 from the answer. The final answer is 18. What number did Julie think of?

1) 5 2) 13

3) 19 4) 31

5. Which one of the following has the greatest value?

1) 5 thousands 6 hundreds 9 tens 28 ones

2) 5 thousands 6 hundreds 14 tens 8 ones

3) 5 thousands 7 hundreds 2 tens 8 ones

4) 5 thousands 7 hundreds 2 tens 18 ones

6. ☺ + ☺ + ☺ + ☺ = 36

☺ X 36 = _____

1) 144 2) 180

3) 216 4) 324

7. Andy has 135 stickers. Joe has 6 times as many stickers as Andy. How many stickers do they have altogether?

1) 141 2) 675

3) 810 4) 945

8. A farmer has 2830 tomatoes. He has 196 fewer carrots than tomatoes. How many tomatoes and carrots does the farmer have altogether?

1) 3026 2) 3222

3) 5464 4) 5856

9. What is the missing digit in the box?

$$\begin{array}{r} 1\square 9 \\ \times \quad\quad 7 \\ \hline 9\ 7\ 3 \end{array}$$

1) 1 2) 2

3) 3 4) 4

5

10. When a number is divided by 7, the quotient is 5 and the remainder is 6. What is the number?

1) 41 2) 47

3) 65 4) 77

11. Which one of the following is equal to 9 x 6?

1) 6 groups of 6 + 3 groups of 9

2) 6 groups of 9 + 3 groups of 6

3) 10 groups of 9 – 4 groups of 9

4) 10 groups of 9 – 1 group of 9

12. A school bus can seat up to 8 students. What is the least number of school buses needed to seat 125 students?

1) 15 2) 16

3) 17 4) 18

13. Jane received $40 from her mother to buy a pair of shoes. The shoes cost $29.95. How much change did Jane receive after paying for the shoes?

1) $10.05
2) $11.05
3) $20.05
4) $21.05

14. Mr Goh earns $6530 a month. Every month he spends $3800, gives $1850 to his wife and saves the rest. How much will he save in half a year?

1) $440
2) $880
3) $4400
4) $5280

15. Mr Tan is thrice as old as his daughter. The difference between their ages is 30 years. How old is Mr Tan's daughter?

1) 10
2) 11
3) 15
4) 20

16. How many eights are there altogether in the product of 222 and 4 ?

1) 3
2) 8
3) 111
4) 888

17. A packet of 8 erasers cost $3. What is the greatest number of erasers that can be bought with $20 ?

1) 6 2) 24

3) 48 4) 160

18. How much is $1.75 less than $3.05 ?

1) $1.30 2) $1.35

3) $1.75 4) $4.80

19. Mr Nicholas stored his chocolates in 2 jars, which he labelled as Jar A and Jar B. Jar A had 88 more chocolates than Jar B. Mr Nicholas transferred some chocolates from Jar B to Jar A. After the transfer, Jar A now had 112 more chocolates than Jar B How many chocolates did Mr Nicholas transfer from Jar B to Jar A?

1) 6 2) 12

3) 18 4) 24

20. Annie went to the supermarket to buy a carton of milk, a bottle of shampoo and a packet of biscuits. The carton of milk and packet of biscuits cost $5.80 altogether. She gave the cashier $50 and received a change of $35.95. How much money did the bottle of shampoo cost?

1) $8.25

2) $14.05

3) $19.85

4) $30.15

9

SECTION B: (20 x 2 marks)
Write down your answers in the spaces provided.
Show all workings and steps clearly.

Do not write in this space

21. Write 9 897 in words.

Ans: _____

_____

22. The sum of two facing pages in an encyclopedia is 245. What are the two page numbers?

Ans: _____ and _____

23. What are the missing digits in the boxes?

$$\begin{array}{r} 6\ 0\ \boxed{B}\ 0 \\ -\ 1\ 7\ 3\ \boxed{A} \\ \hline 4\ 2\ 6\ 5 \\ \hline \end{array}$$

Ans: A = _____

B = _____

24. The sum of two numbers is 800. The difference between the bigger number and the smaller number is 578. What is the bigger number?

Ans: _____

25. What is the quotient when 94 is divided by 7?

Ans: _____

26. Complete the following number pattern.

36 , 49 , 64 , _____ ,100

Ans: _____

Do not write in this space

27. John saved $630. He saved 9 times as much money as Edward. How much money did both of them save?

Do not write in this space

Ans: $_____

28. Peggy, Jana, Greg and Jude bought a present for Melanie. They shared the cost of the present equally. If the present cost $600, how much money did each of them have to pay for the present?

Ans: $_____

29. A bag and a purse cost $493. The bag costs $131 more than the purse. How much money does the bag cost?

Ans: _____

Do not write in this space

30. In 8254, the sum of the values of the digits in the ones place and thousands place is _____.

Ans: _____

31. Detcher had 1000 badminton rackets. He sold an equal number of badminton rackets over 4 months. Then he had 608 badminton rackets left. How many badminton rackets did he sell every month?

Ans: _____

32. Ibina earned $876. This was 4 times as much as what Freda earned. How much less than Ibina did Freda earn?

Ans: $ _____

13

33.

$$\begin{array}{r} 5\ P \\ \times\ \ 8 \\ \hline P\ 3\ 2 \\ \hline \end{array}$$

What does the letter P represent?

Ans: _____

34. Find the missing number.

$$\begin{array}{r} 1\ \boxed{?}\ 2 \\ 6\overline{)\ 6\ 1\ 2} \\ -\ 6 \\ \hline 0\ 1\ 2 \\ -\ 1\ 2 \\ \hline 0\ 0 \\ \hline \end{array}$$

Ans: _____

35. Mr Zee is 6 times as old as his 5-year-old son. What will be their total age in 4 years' time?

Ans: _____

Do not write in this space

Do not write in this space

36. The table below shows the cost of five items. Mr Beh bought three items and gave the cashier $1000. He received a change of $70. Write down the three items that he bought.

Item	Fan	Television	Clock	Camera	Hand phone
Cost	$132	$378	$146	$354	$198

Ans : _____, _____ and _____

37. Janelle has 14 more sticker albums than May .Trinity has five times as many sticker albums as May. If they have a total of 497 sticker albums, how many sticker albums does Janelle have?

Ans: _____

15

38. There are 96 more paper clips in Box A than in Box B. How many paper clips must be transferred from Box A to Box B so that there are 48 more paperclips in Box A than in Box B?

Do not write in this space

Ans: _____

39. Form the smallest odd number using the digits 7, 6, 5 and 8. Then subtract 600 from the number that is formed.

Ans: _____

40. Ian bought 3 boxes of nails. Each box contained 200 nails. Ian repacked all the nails into smaller packets of 6 nails each. How many packets did he have?

Ans: _____

SECTION C: (5 x 4 marks)

Solve ALL of the following problems.

All mathematical workings and statements must be shown clearly.

Do not write in this space.

41. There were 74 apples and 83 oranges in a crate. 12 of the apples and some of the oranges had become rotten. After the fruit seller threw away all the rotten apples and oranges, there were 11 more oranges than apples left in the crate. How many oranges were rotten?

Ans: _____

17

42. Cindy is participating in a school camp. During lunch at the camp, the camp participants can select their meal from the menu shown in the table below. Each camp participant is required to choose one meat item, one vegetable item and one dessert item for her meal. How many different ways can Cindy combine her meal?

Do not write in this space.

Meat	Vegetable	Dessert
Chicken or Beef	Potatoes or Carrots	Ice cream or Pudding

Ans: _____

43. Mr Fybo, a Physical Education teacher, instructed his pupil, Rudee, to form 6 straight rows using cones and bean bags. Every row must have 7 cones, and between every 2 cones, there must be 4 bean bags. How many more bean bags than cones does Rudee need to form all the 6 straight rows?

Do not write in this space.

Ans: _____

44. A mattress costs thrice as much as a bolster. A bolster costs twice as much as a pillow. If the pillow and the bolster cost $168 altogether, find the total cost of a mattress and a pillow.

Do not write in this space.

Ans: _____

45. Jeric had 45 marbles more than Mark. After Jeric lost 75 marbles, Mark had thrice as many marbles as what Jeric had left. How many marbles did Jeric have at first?

Do not write in this space.

Ans: _____

END OF PAPER

21

ANSWER SHEET

EXAM PAPER 2012
SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL (PRI)
SUBJECT : PRIMARY 3 - MATHEMATICS
TERM : SA 1

Section A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	2	3	1	2	4	4	3	3	1
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	2	1	4	3	3	3	1	2	1

Section B

21. Nine thousand, eight hundred and ninety-seven
22. 122 and 123
23. A= 5; B=0
24. 689
25. 13
26. 81
27. $700
28. $150
29. $312
30. 8004
31. 98
32. $657
33. 4
34. 0
35. 43
36. Television, camera, hand phone
37. 83
38. 24
39. 5087
40. 100

Section C

41. 74-12=62
    62+11=73
    83-73=10
10 oranges were rotten.

42.

	Meat	Vegetable	Dessert
1	Chicken	Potatoes	Ice cream
2	Chicken	Potatoes	Pudding
3	Chicken	Carrots	Ice cream
4	Chicken	Carrots	Pudding
5	Beef	Potatoes	Ice cream
6	Beef	Potatoes	Pudding
7	Beef	Carrots	Ice cream
8	Beef	Carrots	Pudding

Cindy can combine her meal in 8 different ways.

43. 1 row: 6×4= 24 bean bags
7×1=7 cones

6 rows: 6×24=144 bean bags
6×7= 42 cones

144-42=102
Rudee needs 102 more bean bags than cones to form all the 6 straight rows.

44. 2 units -> bolster
1 unit -> Pillow
168÷3=56

6 unit -> Mattress
7×56= $392

Total cost of a mattress and a pillow is $392.

45. 75-45=30
2 unit -> 30
30÷2= 15
15+75=90

Jeric had 90 marbles at first.