Name : _____ (   )

Class : Primary 3 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 3 Mathematics

2013 Semestral Assessment Two

28 October 2013

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

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 24 printed pages including the cover page.

1

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). Please use only 2B pencil and SHADE the oval completely.

1) How many tens are there in 8 560 altogether?

(1) 6   (2) 60

(3) 560   (4) 856

2) How many 3-digit numbers, in total, can you make with the digits 0, 1 and 8?

(1) 2   (2) 3

(3) 4   (4) 6

3) Find the sum of 600 and 4 717. What is the value of the digit in the hundreds place?

(1) 100   (2) 300

(3) 500   (4) 700

4) What is the missing number in the box below?

$7 \times 7 = 3$ groups of $7 +$? groups of 7

(1) 3   (2) 4

(3) 24   (4) 28

5) Express 5 hours 4 minutes in minutes.

(1) 204 minutes   (2) 304 minutes

(3) 340 minutes   (4) 504 minutes

6) What is the difference between 8 000 and 3 592?

(1) 4 308   (2) 4 408

(3) 4 518   (4) 4 592

7) There were apples on sale at a supermarket. Mrs Gem paid $3.20 for some apples. How many apples did she receive altogether?

80¢ each
Buy 2 get 1 free!

(1) 2   (2) 4

(3) 6   (4) 8

8) Divide 806 by 4. What is the quotient?

(1) 2   (2) 21

(3) 201   (4) 210

9) How many grams are there in 7 kg 29 g?

(1) 729 g   (2) 7 000 g

(3) 7 029 g   (4) 7 290 g

4

10) What is the sum of $\frac{4}{8}$ and $\frac{1}{4}$? Express your answer in its simplest form.

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

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

(3) $\frac{5}{12}$

(4) $\frac{9}{12}$

11) The figure below is made up of rectangles of the same size. Genevieve wants to shade $\frac{3}{5}$ of the figure. 2 rectangles have already been shaded. How many more rectangles does she have to shade?
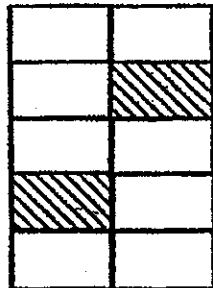
(1) 2

(2) 3

(3) 4

(4) 6

12) Jacintha started her violin practice at 4.20 p.m. She practised for 45 minutes. At what time did she stop her violin practice?
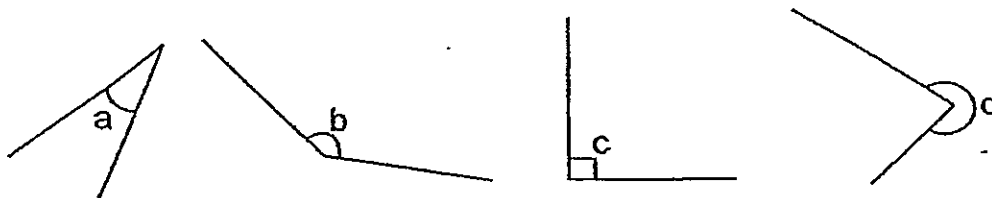
(1) 3.55 p.m.   (2) 4.05 p.m.

(3) 4.45 p.m.   (4) 5.05 p.m.

13) Which of the following angles are bigger than a right angle?

(1) Angle a and Angle c   (2) Angle b and Angle c

(3) Angle b and Angle d   (4) Angle a and Angle d

14) Look at the letters below. How many of them have parallel lines?

K Z F A X

(1) 2   (2) 3

(3) 4   (4) 5

15) What is the missing number in the box?

$$\frac{6}{12} = \frac{?}{4}$$

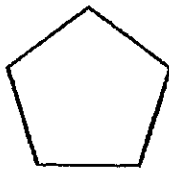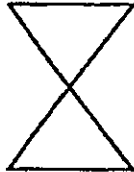(1) 1   (2) 2

(3) 3   (4) 6
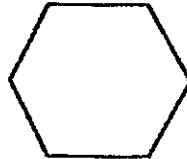
16) The figures below are not drawn to scale. In every figure, each side measures 1 cm. Which figure has the greatest perimeter?
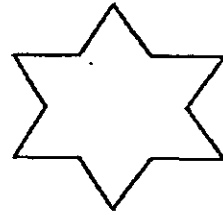

A   B   C   D

(1) A   (2) B

(3) C   (4) D

17) In a cooking class, there were 330 g of sugar to be shared equally among 9 students. If 6 g of sugar was left over, how much sugar did each student receive?

(1) 30 g   (2) 35 g

(3) 36 g   (4) 37 g

18) A piece of paper that measured 10 cm by 10 cm was cut into 4 identical squares. What was the area of each square?

(1) 10 cm²

(2) 25 cm²

(3) 40 cm²

(4) 100 cm²

19) Jeremy had 100 more bottle caps than Jude. If Jude were to give Jeremy 12 bottle caps, how many more bottle caps than Jude would Jeremy have?

(1) 76

(2) 88

(3) 112

(4) 124

20) What is the missing number?

$7 \times 6 = 30 +$ ☐ ?

(1) 5

(2) 6

(3) 12

(4) 30

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

21)   Find the sum of all the odd numbers between 126 and 132.

Ans : _____

22)   I am a 4-digit number.

The digit in my hundreds place is 3.
The digit in my ones place is the greatest possible digit.
The digit in my thousands place is 1 more than the digit in the hundreds place.
The digit in the tens place is the product of 2 and 3.
What number am I?

Ans : _____

23) Use all the digits below to form the

a) greatest possible 4-digit even number

b) smallest possible 4-digit odd number

2 , 5 , 0 , 8

Ans : a) _____

b) _____

24) What is the missing number?

```
   3 1 4 2
 - 1 8 ? 4
 ─────────
   1 2 4 8
 ─────────
```

Ans : _____
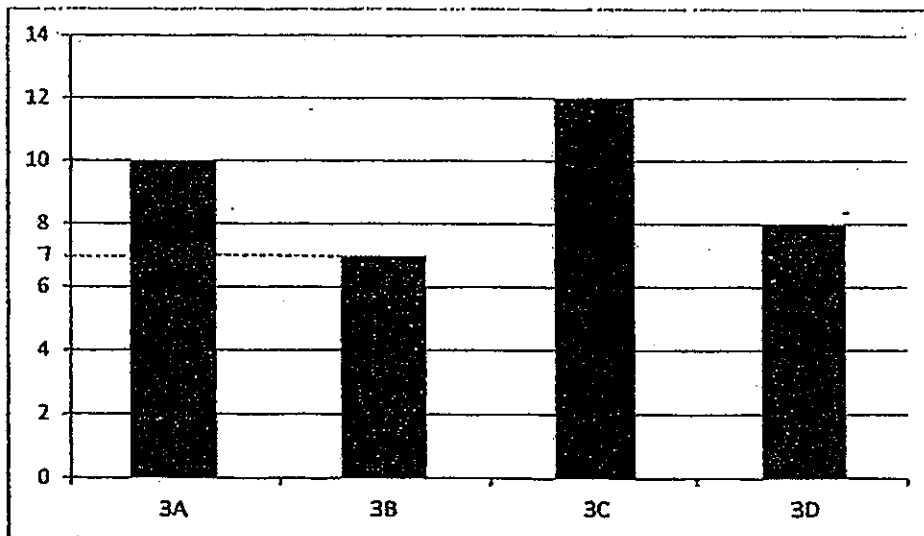
25) What is the missing number in the box?

$$\boxed{?} \div 9 = 27.R4$$

Ans : _____

26) The graph below shows the number of pupils in some Primary 3 classes who donated money at a charity drive.

If each pupil donated $5, how much money did Class 3B and 3C donate altogether?

Ans : $ _____

12

27) Look at the number pattern below. What are the missing numbers?

562 , 1 362 , 2 262 , 3 262 , ___[a]___ , ___[b]___

Ans : (a) _____

(b) _____

28) Trisha wanted to buy a set of coloured pens. She had a 10-dollar note and 5 fifty-cent coins. She was still short of $1.20. How much did the set of coloured pens cost?

Ans : $ _____

13

29) Adeline ate $\frac{5}{12}$ of a pizza and Brenda ate $\frac{1}{4}$ of the same pizza. What fraction of the pizza was left? Leave your answer in the simplest form.

Ans : _____

30) Tom jogged 843 m and Corwin jogged twice as much as he did. What was the total distance jogged by the 2 boys? Give your answer in kilometres and metres.
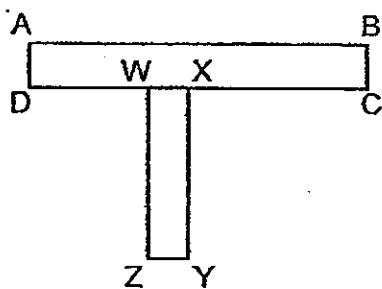
Ans : _____ km _____ m

14

31) 10 chairs are placed in a straight row at an equal distance apart. The distance between the 1st and the 2nd chair is 18 cm. What is the distance between the 3rd and the 8th chair?
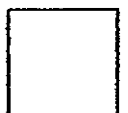
Ans : _____ cm

32) In the figure below, ABCD and WXYZ are rectangles.

a. Name any one line that is parallel to AB.

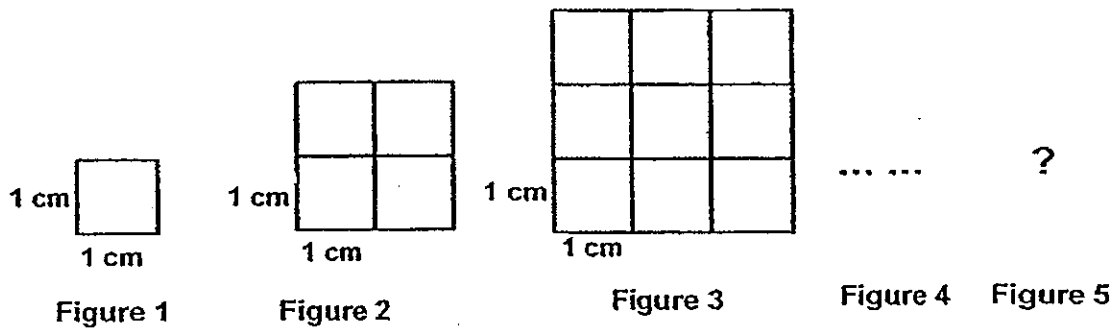b. Name any one line that is perpendicular to YZ.

Ans : a) _____

b) _____

33) Study this pattern of squares. What is the area of Figure 5?

1 cm ☐ 1 cm

Figure 1

1 cm ☐ 1 cm

Figure 2

1 cm ☐ 1 cm

Figure 3

... ...

Figure 4

?

Figure 5

Ans : _____ cm²

34) A taxi can seat 4 passengers. What is the least number of such taxis needed to seat 98 passengers?

Ans : _____

16

35) Mrs Dovey used 25 minutes to sew every 4 buttons. How long would she need to sew 16 buttons? Express your answer in hours and minutes.

Ans : _____ h _____ min

36) The clock in the classroom shows 12.15 p.m. It is 25 minutes fast. What is the actual time?

Ans : _____ a.m.

37) Fusilee bought a pencil case and a note pad from Giggle Bookstore. She gave the cashier $20 and received a change of $3.60. The note pad cost $4.80. How much did the pencil case cost?

Ans : $_____

38) What is the missing number?

```
    1 2 8
x      ?
  ─────────
    8 9 6
  ─────────
```

Ans : _____

39) There were 108 m ℓ of water in Tank A and 756 m ℓ of water in Tank B. How much water must be poured from Tank B to Tank A so that both tanks contained the same amount of water?

Ans : _____ m ℓ

40) Janice and Hamnah shared $738. Hamnah received 5 times as much money as Janice. How much money did Hamnah receive?

Ans : $_____

19

SECTION C : (5 X 4 marks)
Solve <u>ALL</u> of the following problems.
All mathematical workings and statements must be shown clearly.

41) Mr Muthu had 763 kg of chilli powder. He sold 309 kg of it. He packed the remaining chilli powder equally into sacks of 8 kg each and had some left. How much chilli powder did Mr Muthu have left?

Ans : _____

20

42) Ally is 1 m 44 cm tall. She is 24 cm shorter than Ayden.

a) What is their total height? Give your answer in m and cm.

b) Amelia is half as tall as the total height of Ally and Ayden. What is Amelia's height?

Ans : (a)_____

(b)_____

43) In 2013, Jamie is 15 years old. Oliver is 3 times as old as Jamie. What would be their total age in 10 years' time?

Ans : _____

22

44) Every week, Lala worked from Wednesday to Saturday at Thirteen Cupcakes Bakery. How much money would she be paid at the end of 2 weeks?

	Salary per day
Monday to Friday	$20
Saturday and Sunday	$35

Ans : _____

45) At a carnival, there were a total of 387 men and children. There were thrice as many women as men. The number of children was half of the number of men. How many women were there at the carnival?

Ans : _____

END OF PAPER

EXAM PAPER 2013
SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

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

Q18	Q19	Q20
2	4	3

Section B
Q21) 387
Q22) 4369
Q23) a) 8520
     b) 2085
Q24) 9
Q25) 247
Q26) $95
Q27) a) 4362
     b) 5562
Q28) $13.70
Q29) 1/3
Q30) 2km 529m
Q31) 90cm
Q32) a) CD
     b) XY
Q33) 25cm^2
Q34) 25 taxis
Q35) 1h 40min

Q36) 11:50am
Q37) $11.60
Q38) 7
Q39) 324ml
Q40) $615

Section C
Q41) 763kg − 309kg = 454kg
    454kg ÷ 8 = 56kg R 6kg

Q42) a) 1m 44cm + 24cm = 1m 68cm
      1m 44cm + 1m 68kg = 3m 12cm
    b) 3m 12cm ÷ 2 = 1m 56cm

Q43) 15 x 3 = 45
    45 + 15 = 60
    10 x 2 = 20
    60 + 20 = 80 years

Q44) $20 x 3 = $60
    $60 + $35 = $95
    $95 x 2 = $190

Q45) 381 ÷ 3 = 129
    129 x 2 = 258
    258 x 3 = 774