

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.

SECTION A: (20 x 2 marks)

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?

$$7 \times 7 = 3 \text{ groups of } 7 + \boxed{?} \text{ groups of } 7$$

- (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?



- (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

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

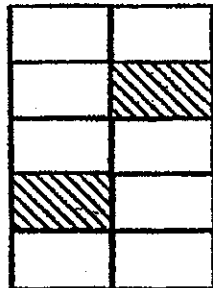
(1) $\frac{3}{4}$

(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?

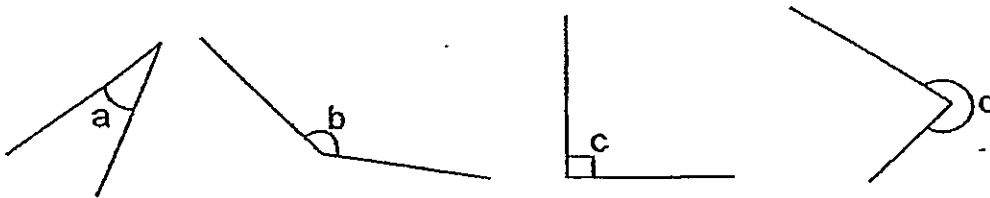
(1) 3.55 p.m.

(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

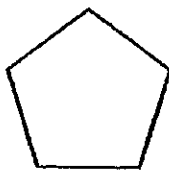
- (1) 2 (2) 3
(3) 4 (4) 5

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

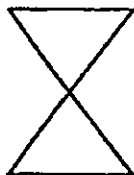
$$\frac{6}{12} = \frac{\boxed{?}}{4}$$

- (1) 1 (2) 2
(3) 3 (4) 6

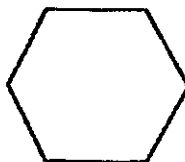
- 16) The figures below are not drawn to scale. In every figure, each side measures 1 cm. Which figure has the greatest perimeter?



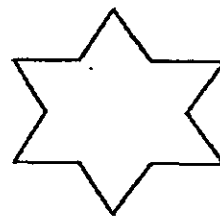
A



B



C



D

- [illegible]

- 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?

$$7 \times 6 = 30 + \boxed{?}$$

(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.**

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this space.

- 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

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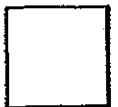
Ans: a) _____

b) _____

24) What is the missing number?

$$\begin{array}{r} 3142 \\ - 18\boxed{?}4 \\ \hline 1248 \end{array}$$

Ans: _____



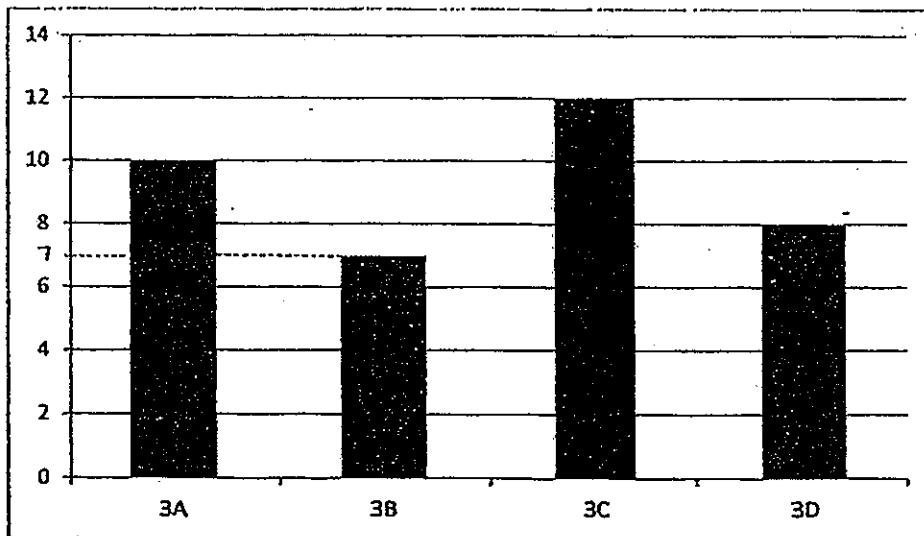
- 25) What is the missing number in the box?

$$\boxed{?} \div 9 = 27 \text{ R } 4$$

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this space.

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 : \$ _____



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

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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 : \$ _____



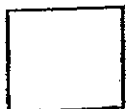
- 29) Adeline ate $\frac{5}{12}$ of a pizza and Brenda ate $\frac{1}{4}$ of the same pizza. What fraction of the pizza was left? Leave your answer in the simplest form.

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this space.

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



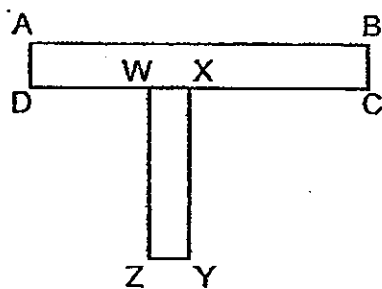
- 31) 10 chairs are placed in a straight row at an equal distance apart. The distance between the 1st and the 2nd chair is 18 cm. What is the distance between the 3rd and the 8th chair?

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this space.

Ans : _____ cm

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

- Name any one line that is parallel to AB.
- Name any one line that is perpendicular to YZ.



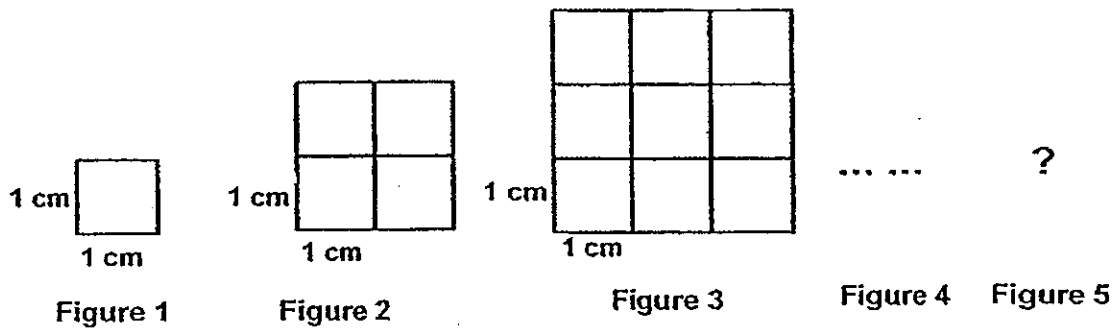
Ans : a) _____

b) _____



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

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Ans : _____ cm²

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

Ans : _____



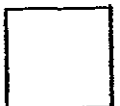
- 35) Mrs Dovey used 25 minutes to sew every 4 buttons. How long would she need to sew 16 buttons? Express your answer in hours and minutes.

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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?

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this space.

Ans : \$ _____

- 38) What is the missing number?

$$\begin{array}{r}
 128 \\
 \times \quad \boxed{?} \\
 \hline
 896 \\
 \hline
 \end{array}$$

Ans : _____



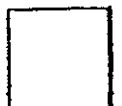
- 39) There were 108 mℓ of water in Tank A and 756 mℓ of water in Tank B. How much water must be poured from Tank B to Tank A so that both tanks contained the same amount of water?

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Ans : _____ mℓ

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

Ans : \$ _____



SECTION C : (5 X 4 marks)

Solve ALL of the following problems.

All mathematical workings and statements must be shown clearly.

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this space.

- 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 : _____



- 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?

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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?

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this space.

Ans : _____



- 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?

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	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?

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Ans : _____

END OF PAPER

ANSWER SHEET

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) $\frac{1}{3}$

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) $763\text{kg} - 309\text{kg} = 454\text{kg}$

$454\text{kg} \div 8 = 56\text{kg R } 6\text{kg}$

Q42) a) $1\text{m } 44\text{cm} + 24\text{cm} = 1\text{m } 68\text{cm}$

$1\text{m } 44\text{cm} + 1\text{m } 68\text{cm} = 3\text{m } 12\text{cm}$

b) $3\text{m } 12\text{cm} \div 2 = 1\text{m } 56\text{cm}$

Q43) $15 \times 3 = 45$

$45 + 15 = 60$

$10 \times 2 = 20$

$60 + 20 = 80 \text{ years}$

Q44) $\$20 \times 3 = \60

$\$60 + \$35 = \$95$

$\$95 \times 2 = \190

Q45) $381 \div 3 = 129$

$129 \times 2 = 258$

$258 \times 3 = 774$