

Name : _____ ()

Class : Primary 3 _____

CHIJ-ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 3

Second Semestral Assessment 2012

Mathematics

22nd October 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

This paper consists of 22 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 oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. 23 hundreds is the same as _____

1) 2 hundreds 3 tens

2) 2 thousands 3 ones

3) 2 thousands 3 tens

4) 2 thousands 30 tens

2. Add 1900 to 3710.

The digit 5 is in the _____ place.

1) thousands

2) hundreds

3) tens

4) ones

3. $147 \times 7 = \underline{\hspace{2cm}} + 30$

1) 1059

2) 1029

3) 1019

4) 999

4. Which of one the following is **not** an equivalent fraction of $\frac{1}{2}$?

1) $\frac{5}{10}$

2) $\frac{4}{7}$

3) $\frac{3}{6}$

4) $\frac{2}{4}$

5. Andy bought a pen for \$2.10, a pencil for 75¢ and a book for \$10.50.
How much did Andy spend altogether?

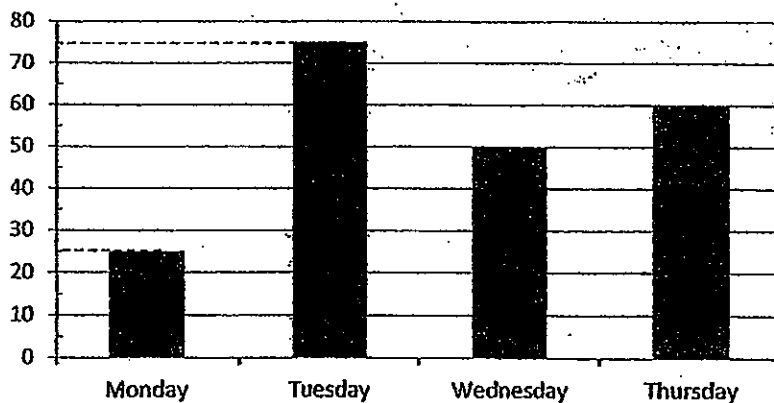
1) \$20.10

2) \$19.10

3) \$13.35

4) \$12.35

6. The graph below shows the number of people who visited the zoo on four days.



How many people visited the zoo on the four days altogether?

1) 218

2) 210

3) 202

4) 200

7. A can contains 450 *ml* of water.

A bottle contains 200 *ml* of water more than a can.

How much water do 2 cans and a bottle contain altogether?

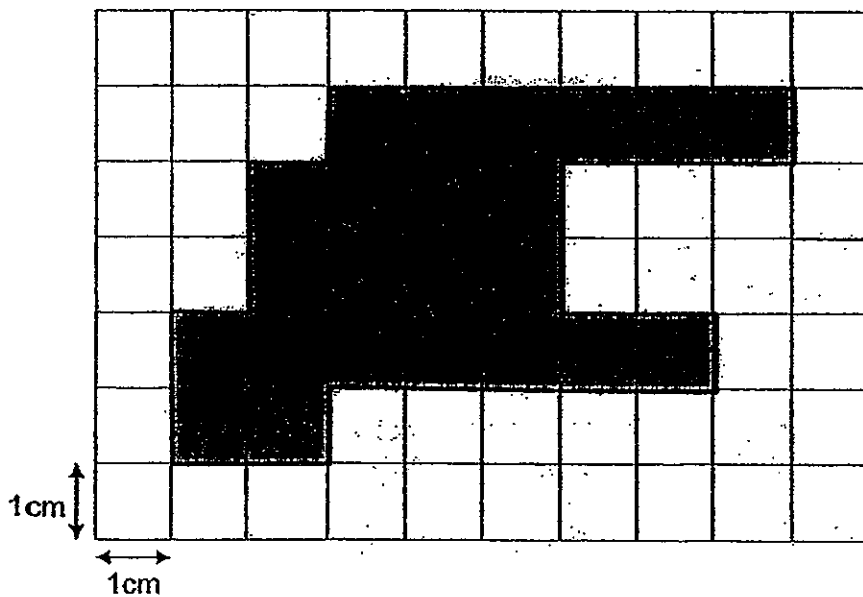
1) 1 l 55 *ml*

2) 1 l 100 *ml*

3) 1 l 300 *ml*

4) 1 l 550 *ml*

8. What is the perimeter of the shaded figure below?



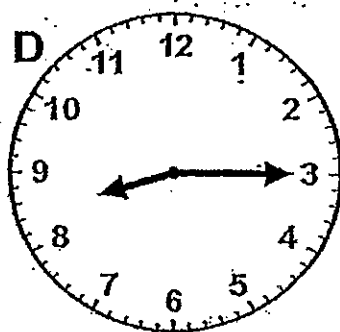
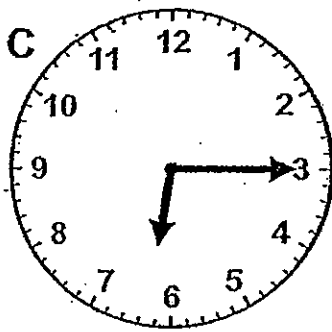
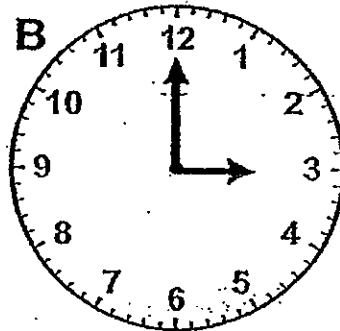
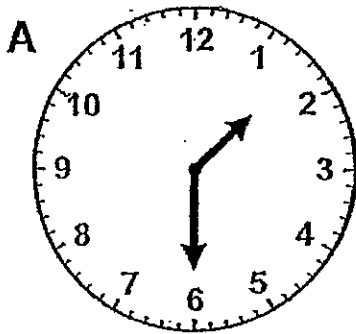
1) 23 cm

2) 27 cm

3) 30 cm

4) 33 cm

9. Which one of the following clock faces shows the hour hand and the minute hand making a right angle?



1) A

2) B

3) C

4) D

10. Express 3 hours 25 minutes in minutes.

1) 105 minutes

2) 205 minutes

3) 180 minutes

4) 325 minutes

11. Cecilia has 2470 sweets. She has 850 sweets more than Donald.
How many sweets does Donald have?

1) 1620

2) 2420

3) 3320

4) 4090

12. $5 \text{ h } 10 \text{ min} - 3 \text{ h } 25 \text{ min} =$ _____

1) 2 h 25 min

2) 2 h 15 min

3) 1 h 55 min

4) 1 h 45 min

13. I am thinking of a number. When I multiply the number by 7 and add 21 to the result, I will get 105. What number am I thinking of?

1) 12

2) 18

3) 756

4) 882

14. Chloe ate $\frac{3}{8}$ of a cake while Danny ate $\frac{1}{4}$ of the same cake.
What fraction of the cake was left?

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

2) $\frac{8}{12}$

3) $\frac{3}{8}$

4) $\frac{5}{8}$

15. There are 165 red flags. There are 4 times as many blue flags as red flags. How many flags are there altogether?

1) 825

2) 725

3) 660

4) 495

16. There are 3850 boys in Brilliant Primary School. There are 900 fewer girls than boys. How many children are there in the Brilliant Primary School altogether?

1) 2950

2) 4750

3) 6800

4) 8600

17. The length of a storybook is 20 cm while its breadth is 16 cm. What is the perimeter of the storybook?

1) 36 cm

2) 52 cm

3) 56 cm

4) 72 cm

18. The sum of 2 numbers is 6350. If the bigger number is 4600, what is the difference between the bigger and the smaller number?

1) 3150

2) 2850

3) 2350

4) 1750

19. I am a 4-digit number.

The digit in my thousands place is the greatest 1-digit number.

The digit in my hundreds place has the value of 700.

The digit in my tens place is twice the digit in my ones place.

What number am I?

1) 9713

2) 9736

3) 9784

4) 9753

20. Mr Thomas is 35 years old this year.

His son is 20 years younger than he is.

What is their total age in 10 years' time?

1) 75

2) 70

3) 65

4) 60

SECTION B: (20 x 2 marks)
Show all workings and steps clearly.

Do not
write in this
space.

21. Write 9145 in words.

Ans: _____

22. $963 \div 9 =$ _____ tens 27 ones

Ans: _____

23. Using the digits given, form the greatest 4-digit even number.

9	4	7	5	8
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Ans: _____



24. Find the missing digits.

$$\begin{array}{r}
 A \ B \\
 + \ A \ B \\
 \hline
 A \ B \\
 \hline
 7 \ A \\
 \hline
 \end{array}$$

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write in this
space.

Ans: A: _____

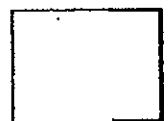
B: _____

25. 5932 adults attended a seminar. 2611 of the adults were women. The rest were men. How many more men than women attended the seminar?

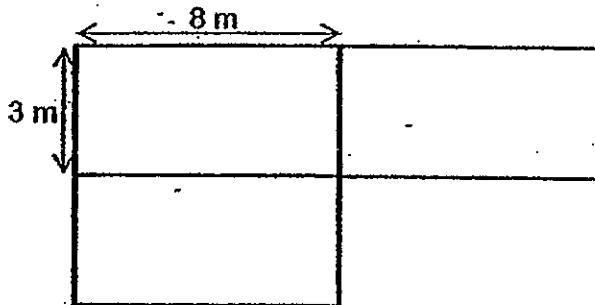
Ans: _____

26. Mr Singh took a plane from Singapore to Taiwan at 1.35 p.m. The journey took 4h 15 min. At what time did he arrive in Taiwan?

Ans: _____ p.m.

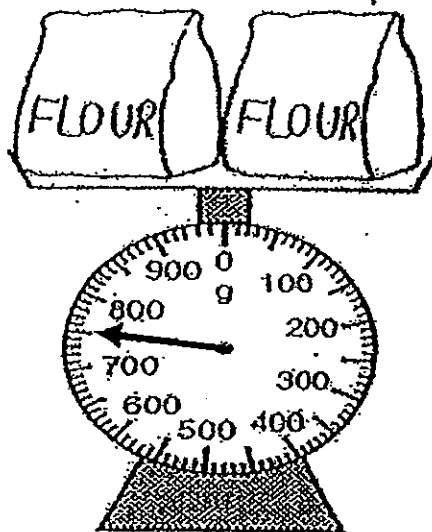


27. The following figure is made up of 3 identical rectangles. The length of each rectangle is 8 m and the breadth is 3 m. What is the perimeter of the figure?

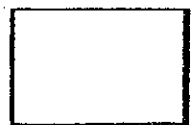


Ans: _____ m

28. The total mass of two identical bags of flour is shown below. What is the mass of one bag of flour?



Ans: _____ g



Do not
write in this
space.

29. Mr Ong bought a bar of chocolate. He shared it equally with 5 children. What fraction of the chocolate did each child receive? Leave your answer in the simplest form

Do not write in this space.

Ans: _____

30. Mrs Koh had \$150.
She bought 2 items from the list below and received a change of \$37. Which of the following two items did she buy?

Item	Cost
Bag	\$85.70
Wallet	\$50.60
Shoes	\$27.30
Blouse	\$67.70
Cupboard	\$120

Ans: _____ and _____

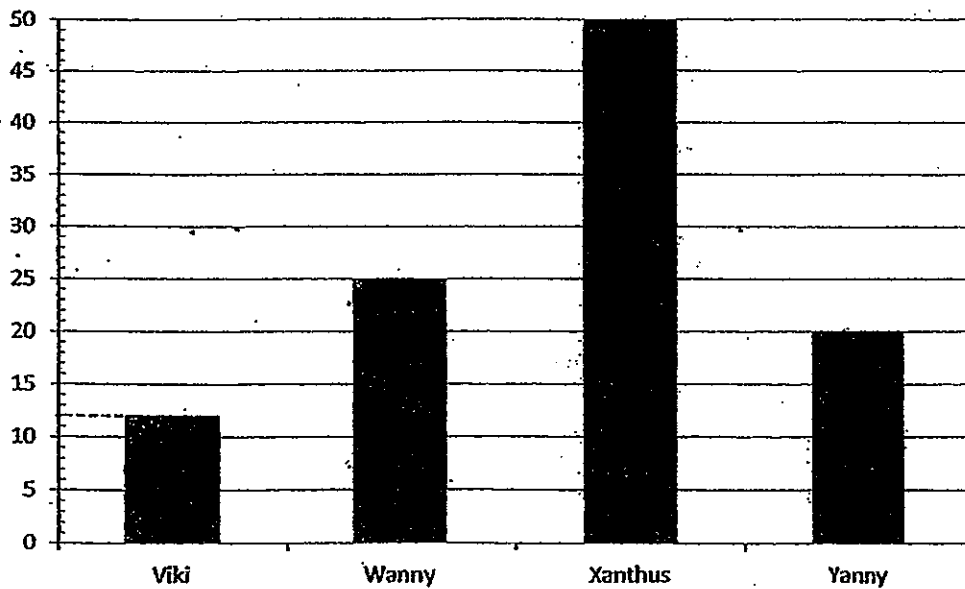


31. Valeria bought 201 more marbles than Alicia.
Alicia bought 126 fewer marbles than Melrose.
How many more marbles than Melrose did Valeria buy?

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write in this
space.

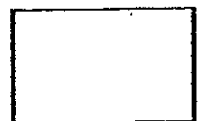
Ans: _____

32. The graph below shows the number of cakes bought by 4 children in a year.



If each cake cost \$3, how much did the 4 children spend altogether?

Ans: \$ _____

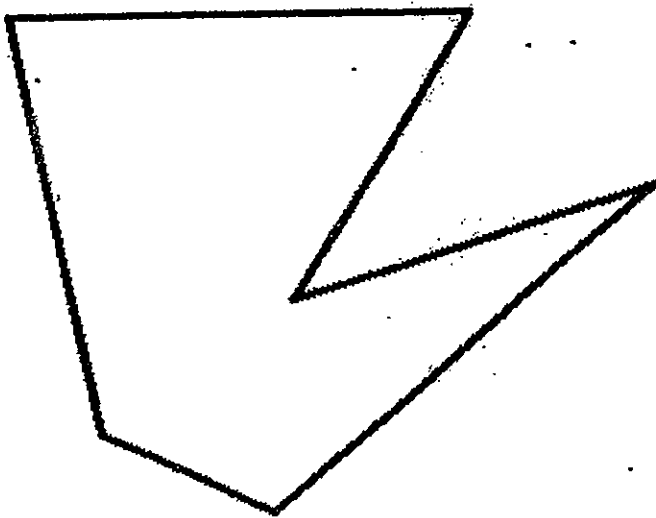


33. When a number is divided by 8, it gives a quotient of 56 and a remainder of 2. What is the number?

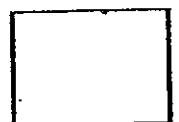
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space.

Ans: _____

34. Look at the figure below.
How many angles inside the figure are greater than a right angle?



Ans: _____



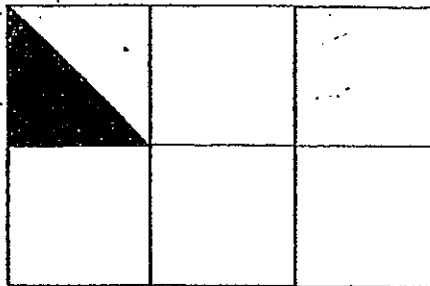
37.

35. 5 identical packets of candies weigh 200g more than 2 identical bars of chocolates. If each bar of chocolate weighs 250g, what is the mass of one packet of candy?

Do not
write in this
space.

Ans: _____ g

36. The figure below is made up of 6 squares of the same size. If the shaded area is 5 m^2 , what is the total area of the figure?



Ans: _____ m^2



37. What must be added to $\frac{1}{3}$ to get $\frac{5}{12}$?

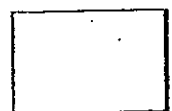
Leave your answer in the simplest form.

Do not
write in this
space.

Ans: _____

38. Adeline left her house at 8.30 a.m. and arrived at Yio Chu Kang Stadium at 9.20 a.m.
How long did she take to travel from her house to Yio Chu Kang Stadium?

Ans: _____ min



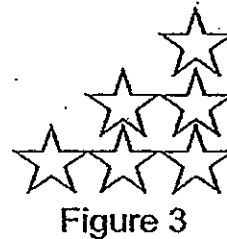
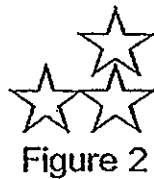
39.

39. Cathy, Danny, Emily and Fandi have a total of \$700 altogether. Cathy and Danny have \$300 altogether. If Danny has the same amount of money as Emily, how much more money does Fandi have than Cathy?

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write in this
space.

Ans: \$ _____

40. Study the pictures below.



How many stars are there altogether in Figure 7?

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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write in this
space.

41. For every \$3 that Miyo saved every day, her mother gave her \$1.
If Miyo were to save for 3 weeks, how much money would she
have saved altogether at the end of the 3 weeks?

Ans: _____

41.

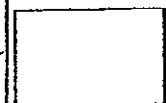
42. Mr Ong travelled 7km 50m from his house to the community centre. He then travelled 1200m from the community centre to the park.

Do not
write in this
space.

- (a) How far did he travel altogether? Leave your answer in m.
- (b) If his total journey required 1h 10 min and he planned to reach the park at 12 noon, at what time did he have to leave his house?

Ans: (a) _____

(b) _____



43. A group of children are queuing up to buy food.
Amelia is in the middle.
Betty is the last in queue and she is behind Elizabeth.
Carol is behind Dennis.
How far is Elizabeth from Dennis if the distance between each child is 50cm?

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write in this
space.

Ans: _____

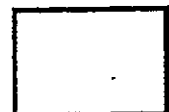


43.

44. Veronica had a sum of money. She spent half of the money.
Her father gave her \$150 and she had \$400.
How much money did she have at first?

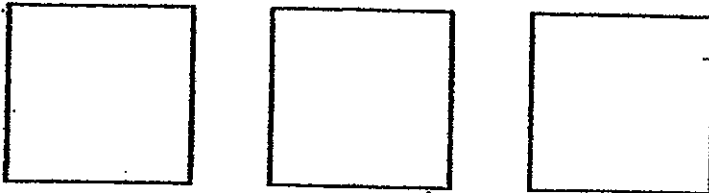
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Ans: _____



45. Mr Wacky had a string that measured 60 cm.
He used the string to form 3 identical squares as shown below.

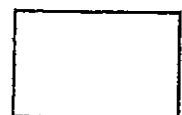
- (a) What is the length of each side of the square?
(b) What is the area of each square?



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space.

Ans: (a) _____

(b) _____



----- End of Paper -----

ANSWER SHEET

EXAM PAPER 2012

SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL (PRI)

SUBJECT : PRIMARY 3 - MATHEMATICS

TERM : SA 2

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

Section B

- | | |
|---|-----------------------|
| 21. Nine thousand, one hundred and forty-five | 31.75 |
| 22. 8 | 32. \$321 |
| 23. 9874 | 33. 450 |
| 24. A: 2 ; B: 4 | 34. 3 |
| 25. 710 | 35. 140 g |
| 26. 5:50 pm | 36. 60 m ² |
| 27. 44 m | 37. 1/12 |
| 28. 375 g | 38. 50 min |
| 29. 1/6 | 39. \$100 |
| 30. Bag and shoes | 40. 28 |

Section C

41. 1 week -> 7 days
 3week -> 3×7=21
 3+1=4
 21×4=\$84
 She would have saved \$84 altogether.

42. a) $7 \text{ km } 50 \text{ m} + 1200 \text{ m} = 7050 \text{ m} + 1200 \text{ m}$
 $= 8250 \text{ m}$

He travelled 8250 m altogether.

b) $12 \text{ noon} - 1 \text{ h } 10 \text{ min} = 10.50 \text{ am}$

He has to leave his house at 10.50 am.

43. Dennis – Carol – Amelia – Elizabeth – Betty

$$3 \times 50 = 150 \text{ cm}$$

Elizabeth is 150 cm from Dennis.

44. $400 - 150 = 250$

$$250 \times 2 = 500$$

She had \$500 at first.

45a) $60 \div 3 = 20$

$$20 \div 4 = 5$$

The length of each side of the square is 5 cm.

b) $5 \times 5 = 25$

The area of each square is 25 cm^2 .