

Name: _____ ()

Class: Primary 3 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



PRIMARY 3 MATHEMATICS

2012 SECOND CONTINUAL ASSESSMENT

23 AUGUST 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 the questions.

This paper consists of 19 printed pages including the 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. In 9509, the total value of the digits 9 is _____.

- (1) 909
(3) 9009

- (2) 9000
(4) 9509

2. Which one of the following is the smallest odd number?

- (1) 8069
(3) 8609

- (2) 8096
(4) 8906

3. _____ is 23 less than the difference between 6709 and 2682.

- (1) 4150
(3) 4027

- (2) 4050
(4) 4004

4. _____ $\times 7 = 35 + 7 + 7$
What is the missing number?

- (1) 5
(3) 7

- (2) 6
(4) 14

5. 9 tens more than 75×5 is _____.

(1) 285

(2) 365

(3) 375

(4) 465

6. Divide 987 by 6. The quotient is _____.

(1) 167

(2) 164

(3) 3

(4) 6

7. Which one of the fractions is bigger than $\frac{1}{4}$?

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

(2) $\frac{1}{7}$

(3) $\frac{1}{9}$

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

8. How many millilitres are there in 4ℓ 5 ml?

(1) 45 ml

(2) 405 ml

(3) 4005 ml

(4) 4500 ml

9. The difference between two numbers is 340.
The bigger number is 960. What is the sum of the two numbers?

- | | |
|----------|----------|
| (1) 2260 | (2) 1580 |
| (3) 1300 | (4) 1240 |

10. A banner is 35 cm long.
What is the total length of 9 such banners?

- | | |
|---------------|---------------|
| (1) 3 m 15 cm | (2) 31 m 5 cm |
| (3) 2 m 75 cm | (4) 27 m 5 cm |

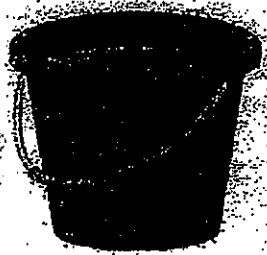
11. A tin of milk powder has a mass of 3 kg 45 g.
The empty tin has a mass of 580 g. What is the mass of the milk powder?

- | | |
|----------------|----------------|
| (1) 4 kg 65 g | (2) 3 kg 565 g |
| (3) 2 kg 565 g | (4) 2 kg 465 g |

12. Express 5060 grams in kilograms and grams.

- | | |
|----------------|-----------------|
| (1) 5 kg 6 g | (2) 5 kg 60 g |
| (3) 5 kg 600 g | (4) 5 kg 6000 g |

13. The capacities of a pail and a cylinder are given below.
How much water is needed to fill 2 such pails and 3 such cylinders completely?



4ℓ.



500 ml

- (1) 1 ℓ 500 ml (2) 4 ℓ 500 ml
(3) 8 ℓ 500 ml (4) 9 ℓ 500 ml

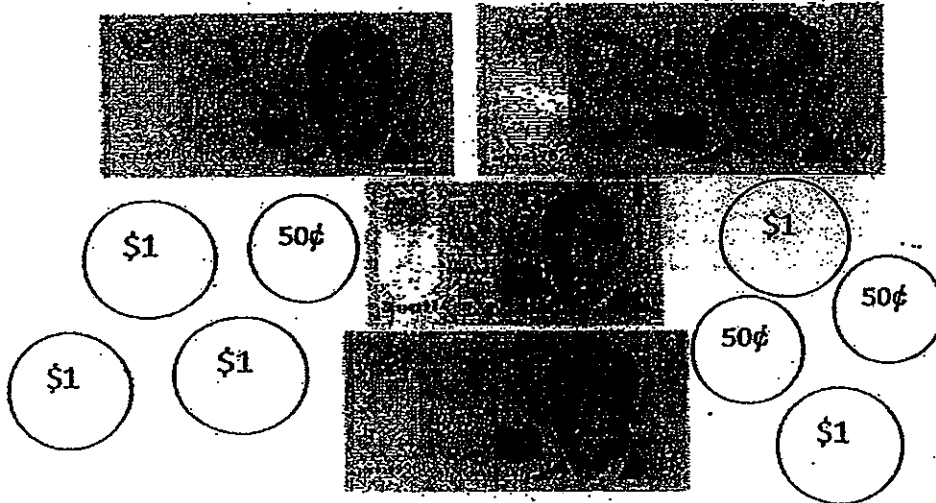
14. Jack is 9 years old.
His grandmother is 7 times as old as him.
What is their total age?

- (1) 16 years old (2) 63 years old
(3) 72 years old (4) 79 years old

15. Which fraction is equivalent to $\frac{8}{12}$?

- (1) $\frac{1}{2}$ (2) $\frac{2}{3}$
(3) $\frac{1}{4}$ (4) $\frac{3}{8}$

16. What is the total value of the notes and coins shown below?



- (1) \$ 28.50
- (2) \$ 22.50

- (2) \$ 26.25
- (4) \$ 20.50

17. Umah has 6 times as many paper clips as Sarah.
The two of them have 210 paper clips altogether. How many paper clips does Umah have?

- (1) 30
- (3) 175

- (2) 35
- (4) 180

18. Kathy baked a pie. She ate $\frac{2}{9}$ of it and her son ate $\frac{6}{9}$ of it.
What fraction of the pie did they eat altogether?

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

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

(3) $\frac{8}{9}$

(4) $\frac{8}{18}$



19. Mrs. Hee bought an oven and a refrigerator for \$1378.
The refrigerator cost \$889. What is the difference between the cost of the refrigerator and the oven?


(1) \$ 400

(2) \$ 489

(3) \$ 589

(4) \$ 2267

20.  $\times 8 =$ 

 $\times 6 = 384$

What does  stand for?

(1) 8

(2) 48

(3) 64

(4) 512

Section B: (20 x 2 marks)

Write down your answers in the spaces provided.

Show all workings and steps clearly.

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21. Write eight thousand, three hundred and ninety in numerals.

Ans: _____

22. Arrange the fractions in order, beginning with the smallest.

$$\frac{1}{2}, \frac{3}{4}, \frac{7}{12}$$

Ans: _____

23. From the numbers 1 to 21, how many times does the digit 1 appear?

Ans: _____

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24. There are 8 blue marbles and 2 red marbles.
What fraction of the marbles are red?
Leave your answer in the simplest form.

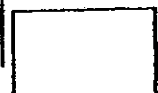
Ans: _____

25. In the product of 329 and 7, which digit is in the thousands place?

Ans: _____

26. Clara baked 1005 muffins for a party.
Kyrie baked 5 times as many muffins as Clara.
How many more muffins than Clara did Kyrie bake?

Ans: _____



27. 720 m is shorter than 1 km by _____.

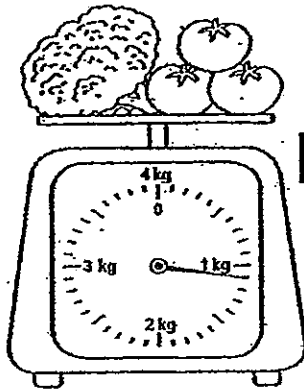
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Ans: _____ m

28. Annelise has 10 twenty-cent coins and 20 one-dollar coins.
What is the total value of all her coins?

Ans: \$ _____

29. What is the mass of the vegetables?

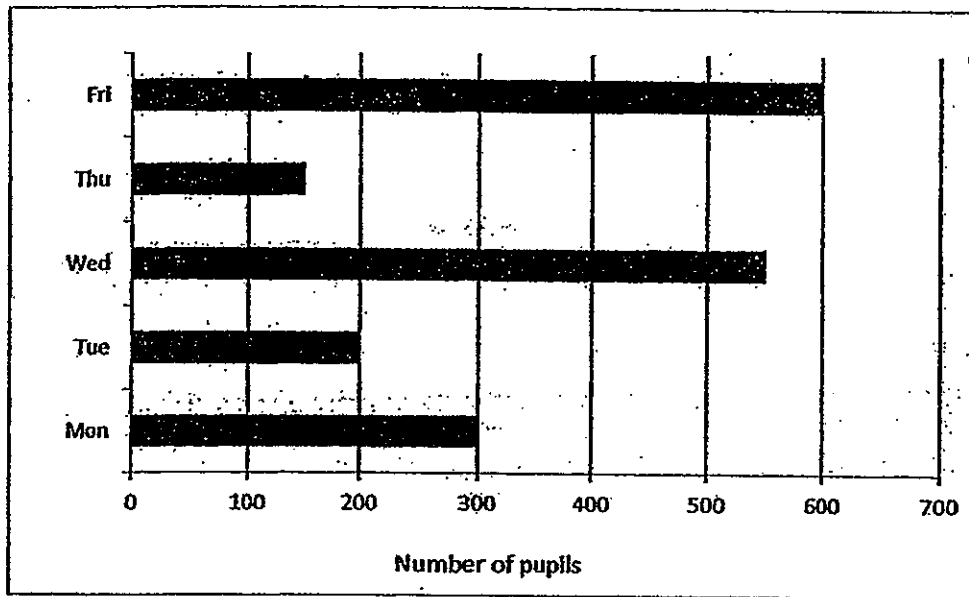


Ans: _____ kg _____ g



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The bar graph below shows the number of pupils who read the Straits Times in the school library during recess. Study the graph and answer questions 30 to 32.



30. On which day was there the greatest number of pupils who read the Straits Times?

Ans: _____

31. How many more pupils read the Straits Times on Wednesday than on Thursday?

Ans: _____

32. Find the total number of pupils who read the Straits Times from Monday to Friday.

Ans: _____

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33. Jim saved \$ 450.65. Mary saved \$ 234.90 less than Jim.
How much money did both of them save in all?

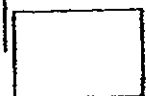
Ans: \$ _____

34. Nelly cut a bale of cloth measuring 9 m 65 cm into 4 pieces.
The first piece was 1 m 40 cm long and the second piece was
3 m 3 cm long. Then she divided the remaining cloth into two equal
pieces. Find the length of each of the two pieces of cloth.

Ans: _____ m _____ cm

35. \$120 = five-dollar notes + 10 fifty-cent coins + 60 one-dollar coins

Ans: _____



36. Mavis shared some beads equally with her 4 friends and was left with 18 beads. Each of them received 50 beads. How many beads did Mavis have at first?

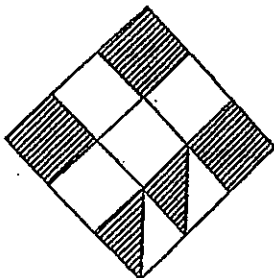
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Ans: _____

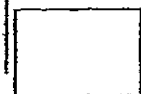
37. Ah Mong had 876 tomatoes. 18 tomatoes were rotten and thrown away. Then he packed the remaining tomatoes into bags of 6. How many bags did he pack the tomatoes into?

Ans: _____

38. What fraction of the figure is unshaded?
Express your answer in the simplest form.



Ans: _____



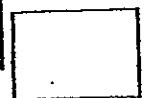
39. Millicent cut an apple strudel into 12 equal pieces. She ate $\frac{1}{6}$ of it. Her sister and brother ate 3 pieces each. What fraction of the apple strudel did Millicent have left? Leave your answer in the simplest form.

Ans: _____

40. Mrs Lai made 6 times as many chicken pies as beef pies. After she gave away 20 beef pies, she had 40 beef pies left. How many pies did she make in all?

Ans: _____

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Section C: (5 x 4 marks)

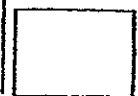
Solve ALL of the following problems.

All mathematical workings and statements must be shown clearly.

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41. Mr Fam is 45 years older than his 15-year-old son, Dylan.
What is their total age in 12 years' time?

Ans: _____



42. Mrs Tan bought a pizza. John ate $\frac{1}{8}$ of the pizza. Kathy ate $\frac{1}{4}$ of the pizza more than John. Irene ate $\frac{1}{8}$ of the pizza less than Kathy. What fraction of the pizza was left?

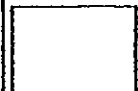
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Ans: _____

43. At the XYZ Bookstore, comic books were sold at \$9 each and music CDs at \$6 each. Danna spent a total of \$210 on 29 comic books and music CDs. How many comic books did she buy?

Do not write
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Ans: _____



44. Cerys had 130 \$2 and \$5 notes in her savings box. She exchanged all the \$2-notes for \$5-notes. If all her \$2-notes add up to \$160, how many \$5-notes did Cerys have in her savings box in the end?

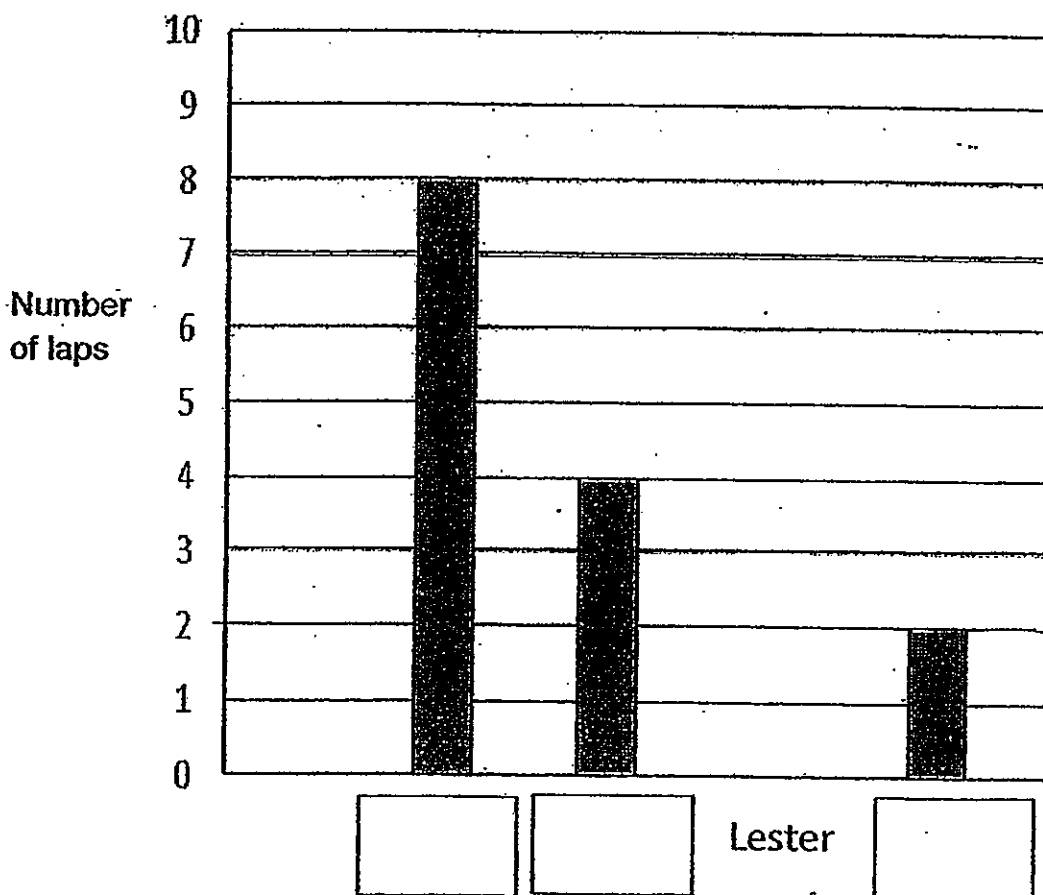
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Ans: _____ \$5-notes

45. Jolin, Karin, Lester and Mujar went swimming. They swam a total of 20 laps. Jolin swam twice as many laps as Karin. Mujar swam 2 laps.

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- a. In the boxes below, identify the number of laps Jolin, Karin and Mujar swam. Write your answers in the boxes provided below.
- b. How many laps did Lester swim? Draw in the bar graph to represent the number of laps he swam.



- END OF PAPER -



ANSWER SHEET

EXAM PAPER 2012

SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL (PRI)

SUBJECT : PRIMARY 3 - MATHEMATICS

TERM : CA2

Section A

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

Section B

- | | |
|--|-------------------|
| 21. 8390 | 31. 400 |
| 22. $\frac{1}{2}$, $\frac{7}{12}$, $\frac{3}{4}$ | 32. 1800 |
| 23. 13 | 33. \$666.40 |
| 24. $\frac{1}{5}$ | 34. 2 m 61 cm |
| 25. 2 | 35. 11 |
| 26. 4020 | 36. 268 |
| 27. 280 m | 37. 143 |
| 28. \$22 | 38. $\frac{5}{9}$ |
| 29. 1 kg 100 g | 39. $\frac{1}{3}$ |
| 30. Friday | 40. 420 |

Section C

41. $45+15=60$
 $15+12=27$
 $60+12=72$
 $72+27=99$

Their total age in 12 years' time is 99.

42. $1/8 + 1/4 = 1/8 + 2/8$
 $= 3/8$
 $3/8 - 1/8 = 2/8$
 $1 - 1/8 - 3/8 - 2/8 = 8/8 - 1/8 - 3/8 - 2/8$
 $= 2/8$
 $= 1/4$
 1/4 of the pizza was left.

43. Assuming that all were music CDs, they would cost $29 \times 6 = 174$
 Remaining money = $210 - 174$
 $= 36$
 $9 - 6 = 3$
 $36 \div 3 = 12$
 She bought 12 comic books.

44.

Number of \$2 notes	Total amount in \$2 notes	Number of \$5 notes	Total number of \$2 and \$5 notes	Check
50	\$100	80	130	X
80	\$160	50	130	✓

$160 \div 5 = 32$
 $32 + 50 = 82$

Cerys had 82 \$5 notes in her savings box in the end.

45.

