

SA2 Name : _____

Class : Primary 3 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 3

Second Semestral Assessment – 2005

Mathematics

12 October 2005

Score :

100

Parent's signature : _____

Class (Highest Score) :		Level (Highest Score) :	
Class Average :		Level Average :	

Duration of Paper : 1 h 45 min

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

SECTION A: (20 X 2 marks)

Choose the correct answer and write its number 1, 2, 3 or 4 in the brackets provided.

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1. How many hundreds are there in 87 tens?

1) 8

2) 87

3) 800

4) 870

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2. The sum of two numbers is 1 842. If the greater number is twice the smaller number, find the greater number.

1) 614

2) 921

3) 1016

4) 1228

()

3. What is 200 more than 5 740?

1) 3740

2) 5540

3) 5940

4) 7740

()

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

1) 69 tens x 5

2) 172 x 2

3) 5092 ÷ 4

4) 8799 ÷ 7

()



5. How many even numbers are there from 21 to 43?

1) 10

2) 11

3) 12

4) 13

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6. Find the remainder when the product of 5 and 123 is divided by 7.

1) 2

2) 4

3) 6

4) 8

()

7. $\div 9 = 96 \text{ R } 8$. Find the missing number in the box.

1) 768

2) 777

3) 864

4) 872

()

8. A drumstick costs \$0.95 and a chicken nugget costs \$0.30 less than the drumstick. How much do 7 chicken nuggets cost?

1) \$2.10

2) \$4.55

3) \$6.65

4) \$8.75

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9. Which one of the fractions below is greater than $\frac{1}{5}$ but smaller than $\frac{7}{10}$?

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

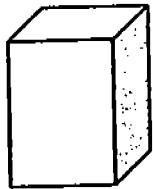
2) $\frac{3}{5}$

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

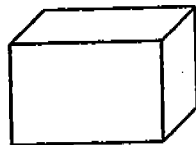
4) $\frac{9}{10}$

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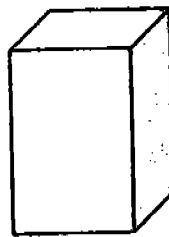
10. Look at the boxes below. What is the difference in mass between the heaviest and the lightest box?



2 kg 6 g



3000 g



4 kg 600 g



5 kg

1) 2 kg 400 g

2) 2 kg 594 g

3) 2 kg 940 g

4) 2 kg 994 g

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11. A concert is starting at 7.30 p.m. Guests are told to arrive 15 minutes before the concert starts. What time should they arrive at the concert?

1) 7.15 p.m.

2) 15 minutes to 8 p.m.

3) 7.45 p.m.

4) 45 minutes after 8 p.m.

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12. Lianne has a basin, a pail and a small jug. The small jug and the pail have a total capacity of 5 l 20 ml. The pail and the basin have a total capacity of 8 l 150 ml. What is the capacity of 2 such basins if the capacity of 1 small jug is 900 ml ?

1) 5 l 30 ml

2) 5 l 300 ml

3) 8 l 60 ml

4) 8 l 600 ml

()

13. Find the sum of all the odd numbers between 88 and 150 that can be divided by 9 exactly

1) 351

2) 594

3) 819

4) 972

()

14. Emily had a piece of ribbon which measured 2 m 50 cm. She gave 75 cm of the ribbon to her mother and cut the remaining piece into smaller pieces of 5 cm each. How many such pieces could she cut?

1) 15

2) 25

3) 35

4) 45

()

15. Carin bought 1 kg of prawn and 5 kg of crabs for \$52. If the prawns cost \$12, find the cost of 2 kg of crabs.

1) \$6

2) \$16

3) \$24

4) \$40

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16. Julia started to revise her work 17 days before her Mathematics examination. If she started her revision on Friday, on which day did she have her Mathematics examination?

1) Saturday

2) Sunday

3) Monday

4) Tuesday

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17. Mrs Goh is 1 m 70 cm tall. She is 23 cm taller than Mrs Lim. What is their total height?

1) 187 cm

2) 237 cm

3) 294 cm

4) 317 cm

()

18. Gwen wants to share 756 ml of orange juice equally with her 3 friends. How much orange juice will each of them get?

1) 189 ml

2) 210 ml

3) 252 ml

4) 280 ml

()

19. Which of the following is an equivalent fraction of $\frac{5}{8}$?

1) $\frac{15}{16}$

2) $\frac{10}{24}$

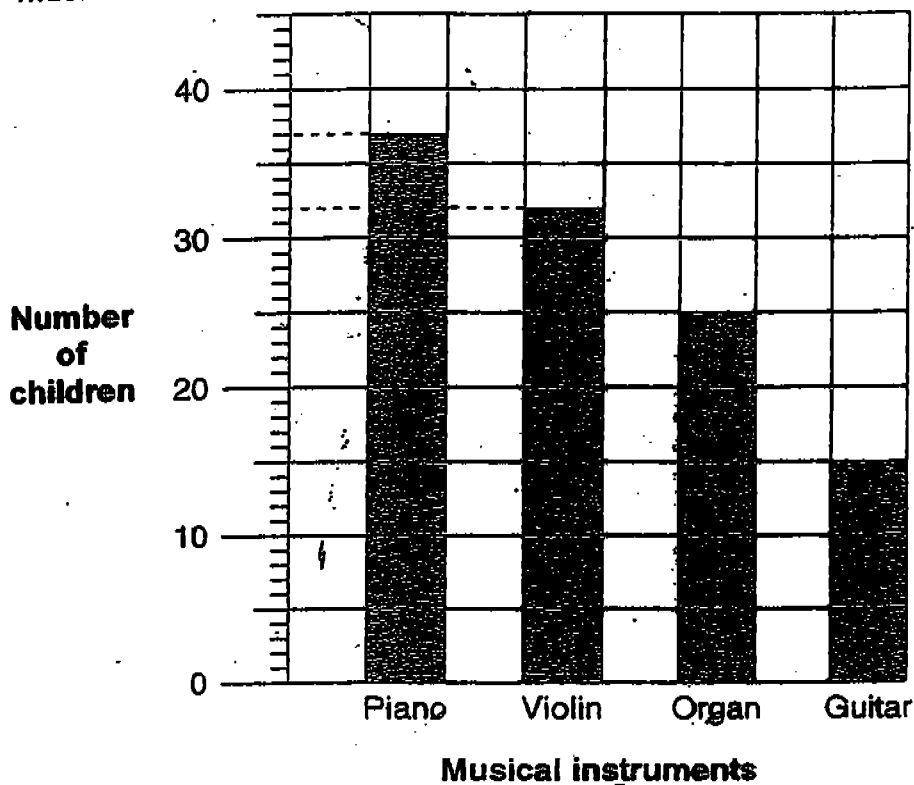
3) $\frac{15}{24}$

4) $\frac{10}{32}$

()



The graph below shows the number of children learning to play different musical instruments. Use it to answer Question 20.



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20. All the children who learn to play the ^{organ} piano also learn to play the ^{piano} organ. How many children learn to play the ^{organ} piano but not the ^{piano} organ?

- 1) 7
- 3) 25

- 2) 12
- 4) 62

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SECTION B: (20 x 2 marks)

Write your answers in the blanks provided.

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21. Olivia cut a pizza into some equal slices. She ate $\frac{3}{14}$ of the pizza and gave 5 slices to her friends. What fraction of the pizza was left? Give your answer in its simplest form.

Ans: _____

22. In 5719, find the sum of the values of the first and last digits.

Ans: _____

23. Alan is 17 years old and his father is 40 years old. How old will Alan be when his father is 55 years old?

Ans: _____



24

24. Find the product of 5 hundreds 6 ones and 9.

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Ans: _____

25. Mrs Smith took 4 hours 48 minutes to make 4 dresses. She spent the same amount of time on each dress. How long did she take to make each dress?

Ans: _____ minutes

26. Subtract 53 tens from the product of 8 and 240.

Ans: _____

27. A bathtub can hold 60 l of water altogether. It is now filled with 6 l of water. How many 2-litre bottles of water are needed to fill up the bathtub completely?

Ans: _____ bottles



25

28. Complete the following number pattern.

2, 4, 16, (a) ?, 768, (b) ?

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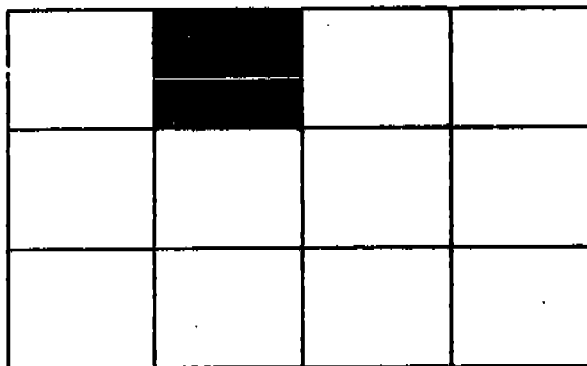
Ans: (a) _____

Ans: (b) _____

29. Miss Ong used 379 cm of wrapping paper to wrap some presents for her pupils and 2 m 9 cm of it to wrap her files. If she had 415 cm of wrapping paper left, how much wrapping paper did she have at first? Give your answer in metres and centimetres.

Ans: _____ m _____ cm

30. The figure below is divided into 12 equal parts. How many more parts must you shade to show the equivalent fraction of $\frac{1}{3}$?



Ans: _____



26

31. Sally wanted to buy a box of cookies that costs \$9. She had \$15 and her mother gave her another \$35. How much more money did Sally need if she wanted to buy 10 boxes of cookies?

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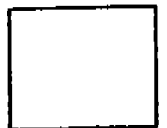
Ans: \$ _____

32. Find the quotient of $609 \div 4$.

Ans: _____

33. A truck is twice as long as a car. If the total length of 3 cars is 9 m 15 cm, find the length of 1 truck.

Ans: _____ m _____ cm



27

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34. How many 5-cent coins do you need to make \$2.50?

Ans: _____

35. In 8594, the digit 5 has the same value as x 5.

Ans: _____

36. 10 apples cost \$5 and 4 oranges cost \$1.75. May bought 5 apples and 8 oranges. How much did she spend in all?

Ans: \$ _____

28

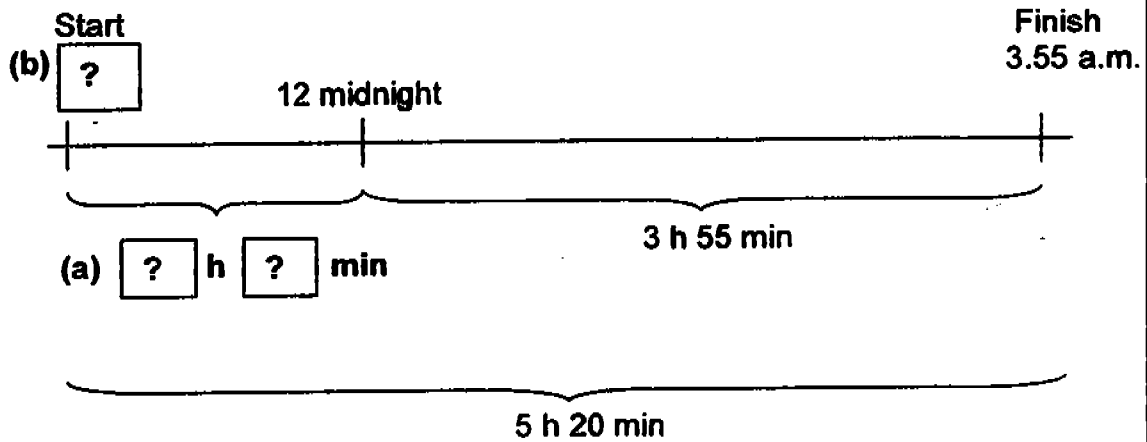
37. Arrange these fractions in descending order.

$$\frac{6}{7}, 1, \frac{2}{7}, \frac{4}{7}$$

Ans: _____

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38. Fill in the blanks correctly.



Ans: (a) _____ h _____ min

Ans: (b) _____ p.m.



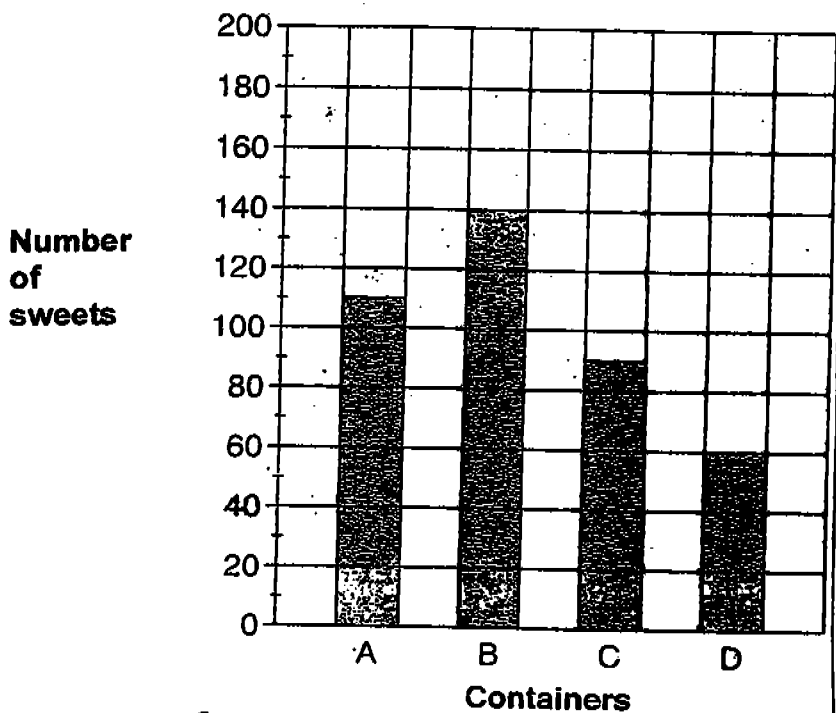
29

39. I am a 4-digit number.
 The digit 5 is in the ones place.
 The digit 7 stands for 70 hundreds.
 The digit 1 is in the hundreds place.
 The value of the digit 8 is 8 tens.
 What am I?

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Ans: _____

The graph below shows the number of sweets in 4 containers A, B, C and D.
 Use it to answer Question 40.



40. If Irene ^B ~~am~~ going to repack all the sweets into packets of 8, how many packets will she have?

Ans: _____ packets



30

SECTION C: (5 x 4 marks)

Solve the following problems. All mathematical working and statements must be shown clearly.

41. (a) Use the digits 2, 0, 9 and 7 to form the greatest 4-digit even number.
(b) Find the difference between the greatest 4-digit even number and the smallest 4-digit odd number.

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31

42. A taxi can carry 6 children. How many taxis will be needed to carry 211 children?

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32

43. The table below shows the time taken by 5 children to complete a word search puzzle.

Use the information to answer (a) and (b).

(a) Rearrange the children according to the time they spent on the puzzle. Begin with the child who took the shortest time. (2m)

(b) How long more than Marilyn did Claudia take to complete the word search puzzle? (2m)

Name	Time
Bernard	75 s
Claudia	1min 36s
Marilyn	86 s
Ken	55 s
Willy	1min 5s



33

44. Pail A can hold twice as much water as Pail B. Pail B can hold 4 times as much water as Pail C. If the capacity of Pail B is 456 ml, find the total capacity of Pail A and C.

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34

45. Christina started saving \$5 every day since the first day of January. Her father gave her another \$10 for every \$25 that she saved. How much money did Christina have altogether at the end of January?
(Note: There are 31 days in January)

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34



Examination 考試

Answer Sheets

CHIJ St Nicholas School / Pri 3 SA2/2005 Maths

- 1)1 2)4 3)3 4)1 5)2 6)3
- 7)4 8)2 9)2 10)4 11)1 12)3
- 13)1 14)3 15)2 16)3 17)4 18)1
- 19)3 20)2 21) $\frac{3}{7}$ 22)5009 23)32 24)4554
- 25)72 min 26)1390 27)27 bottles 28)a.96 b.7680 29)10m3cm
- 30)3 31)\$40 32)152 33)6m 10cm 34)50 35)100
- 36)\$6.00 37) $1, \frac{6}{7}, \frac{4}{7}, \frac{2}{7}$ 38)a.1h 25min b.10.35pm 39)7185

- 40)50 packets
- 41)a. The greatest 4 digit even number is 9720
- 41)b. The difference is 7641.
- 42)36 taxis will be needed to carry 211 children
- 43)a. Ken, Willy, Bernard, Marilyn, Claudia
- 43)b. Claudia take 10 sec more than Marilyn
- 44)The total capacity is 1l 26ml
- 45)She had \$215 at the end of January.