CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 2

Second Semestral Assessment – 2006

Mathematics

13th October 2006

Score :

_____

Parent's Signature

100

Duration of Paper : 1 h 30 min

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

Section A (40 x 2 marks)
Write your answers in the blanks provided.

1) 925 = 8 hundreds + _____ tens + 5 ones

2)

3	5	0

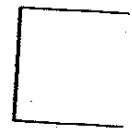What is the smallest 3-digit number that can be formed using the 3 cards above?

Ans: _____

3) There are 145 people in a room. 10 people are wearing slippers and 27 people are wearing shoes. The rest are wearing sandals. How many people are wearing sandals?
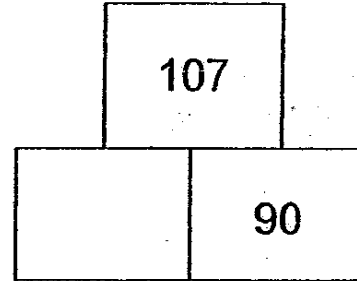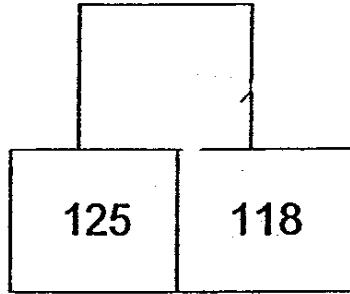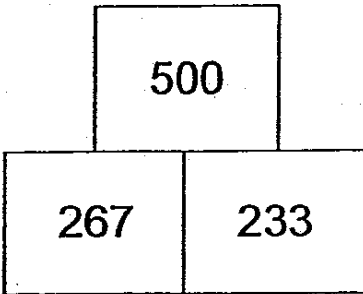
Ans : _____

4) Fill in the missing numbers.
The **sum** of the 3 numbers in each row must be **equal to 30**.

15		11
16	5	

1

2

5) Fill in the boxes with the correct answers.

| 500 |
| 267 | 233 |

| ☐ |
| 125 | 118 |

| 107 |
| ☐ | 90 |

6) Fill in the boxes with the correct numerals.

$$
\begin{array}{r}
3\ \boxed{\ }\ 2 \\
4\ 5\ 0 \\
+\ \boxed{\ }\ 2\ 7 \\
\hline
8\ 9\ 9
\end{array}
$$

2

7)

| 7 | 5 | 6 | 3 |
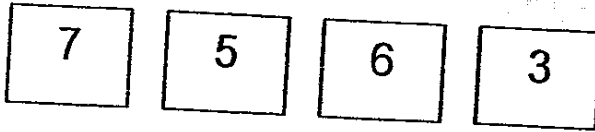
Put the 4 number cards in the boxes below to show the **greatest sum**. Use each card only **once**.

☐ ☐ ☐

+ ☐

_____

_____

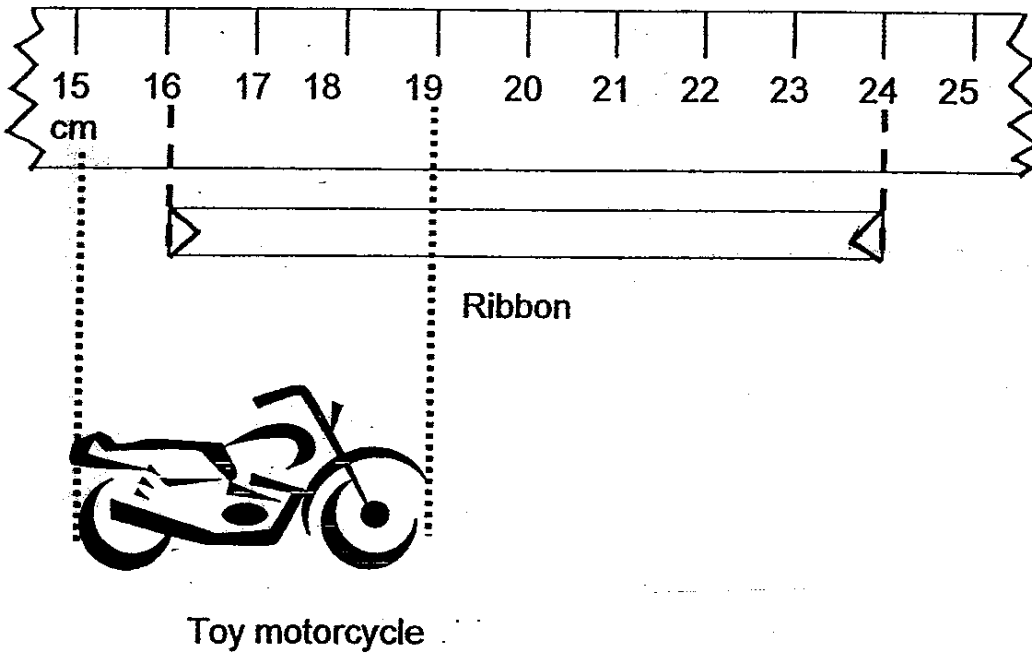8) Fill in the blanks with **m** or **cm**.

a) The length of a spoon is about 14 _____.

b) A whale is about 30 ____ ____ long.
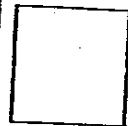
Use the diagram below to answer Questions 9 to 11.

Toy motorcycle

9)   What is the length of the toy motorcycle?

Ans: _____ , _____ cm

10)   The ribbon is _____ , _____ cm longer than the toy motorcycle.

11)   The ribbon is as long as _____ _____ toy motorcycle(s).

4

5

Use the table below to answer Questions 12 to 15.

Name	Mass
Benny	75 kg
Norman	90 kg
Jasmine	55 kg

12) Who weighs the **heaviest**?

Ans : _____

13) How many kilograms must Norman lose to have the same mass as Benny?

Ans: _____ kg

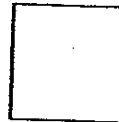14) If Jasmine loses 10 kg, she will weigh _____ kg less than Benny.

15) _____ and _____ have a **total** mass of 130 kg.

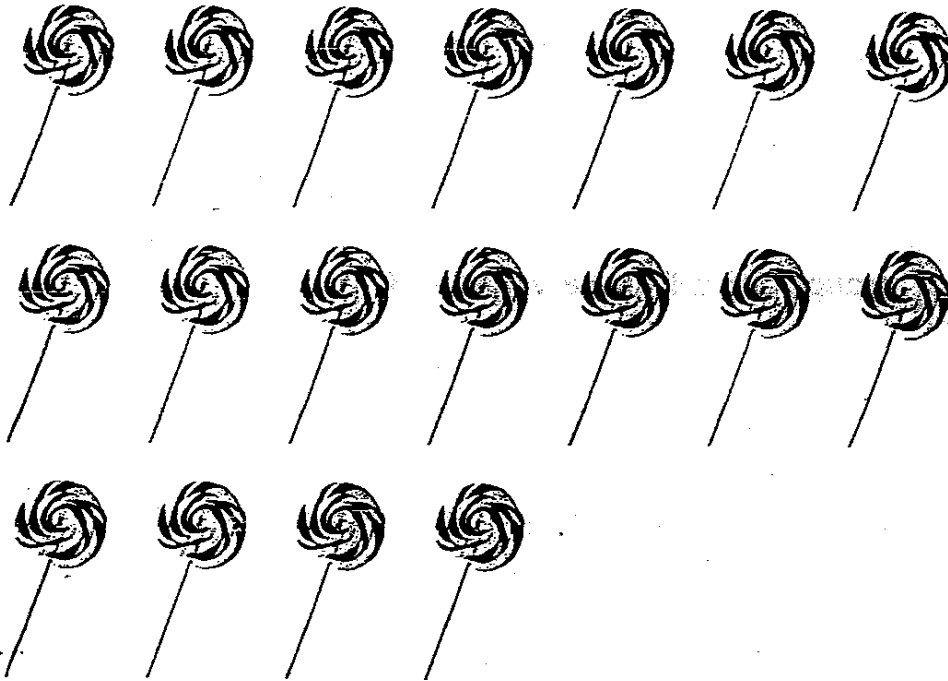16) Each [bag] has 7 chocolates.

Two such [bags] have _____ chocolates.

5

17)
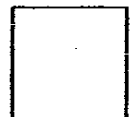

These candies are shared among 9 children.
How many candies does each child get?

Ans: _____

18) 2 + 2 + 2 + 2 + 2 + 2 = [   ] x 2

19) Tick (✓) the **two** number sentences that have the **same value**.

10 x 3	5 groups of 3	3 tens	3 x 7

20) Fill in the blank below with "greater" or "smaller".
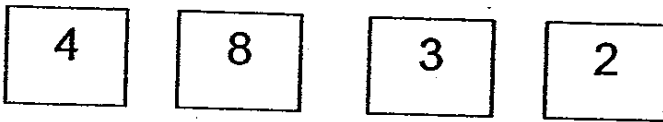
   4 x 3 is _____ _____ than 100 ÷ 10

21) [____] groups of 5 will give a value of 40.

22) Alan has 250 stickers. He buys 10 stickers every month.
    How many stickers will he have altogether at the end of 3 months?

   Ans: _____

23)

   | 4 | | 8 | | 3 | | 2 |

   Use the 4 number cards above to form a multiplication sentence.

   [____] X [____] = [____] [____]

7

24) Fill in the boxes with the correct answers.

```
┌─────────────────────────┐
│ ┌───┐                  8 │
│ │   │   ┌────┐           │
│ └───┘ 3 │ 2  │ 4         │
│         │    │           │
│         └────┘           │
│      10  ┌────┐          │
│ 20       │    │       14 │
│          └────┘          │
└─────────────────────────┘
```
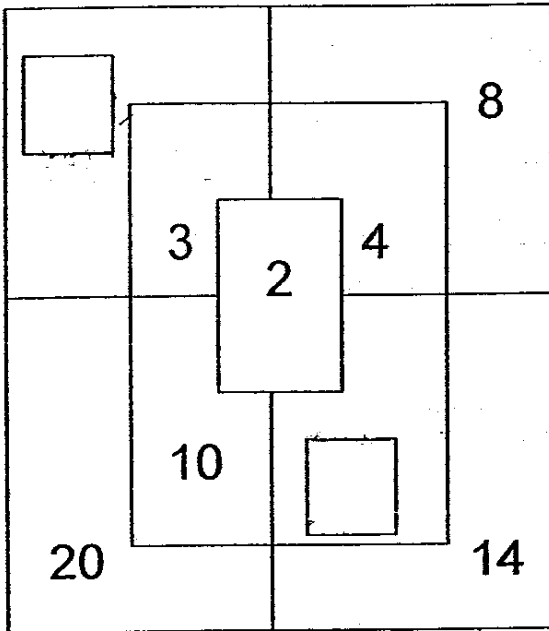
25) Fill in the missing number.

[   ] x 5 = 20 ÷ 2

26) Fill in "x" or "÷" in each circle ( ) and the answers in the boxes,   [   ]

Mary has 10 bags.
Each bag has 4 hair clips.
How many hair clips are there in 10 bags?

→ 10 ( ) 4 = [   ]

Mary decides to put her hair clips equally into 5 bags. How many hair clips are there in each bag?

40 ( ) 5 = [   ]

9

The table below shows the adult and child fares of 3 different games. Study the table to answer Questions 27 and 28.

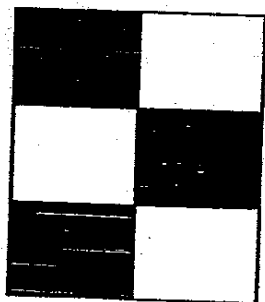| Game	Adult fare	Child fare
Softball	$4	$2
Basketball	$5	$2
Soccer	$10	$3

27) Mr and Mrs Chan, together with their 4 children, paid a total of $16 for their tickets to watch a game. Which game did they plan to watch?

Ans : _____

28) If the Chan family went to watch a soccer game, how much change would they receive if they paid for the tickets with a $50 note?
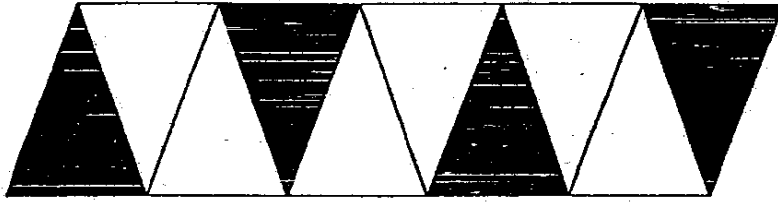
Ans: $ _____

29)

What fraction of the figure is **shaded**?

Ans : _____

9

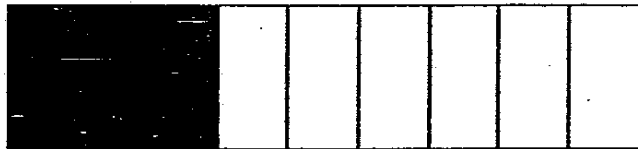30)

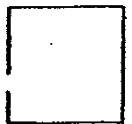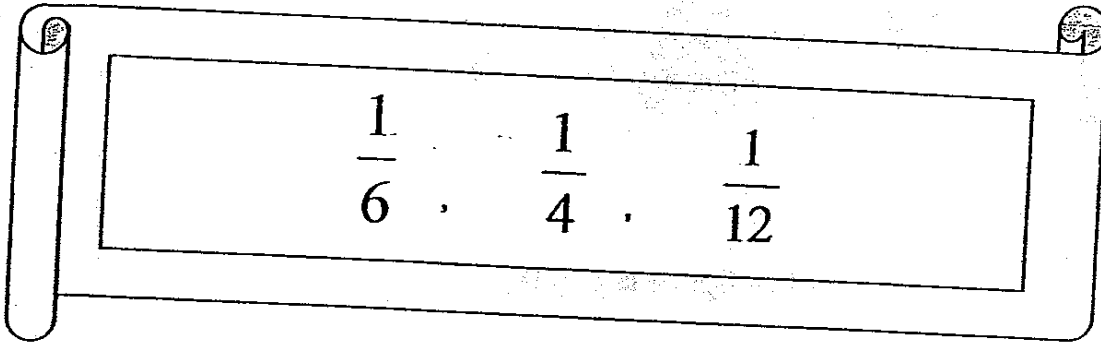_____ of the figure is **unshaded.**

31)

$\dfrac{2}{4}$

$\dfrac{3}{9}$

Which fraction is greater, $\dfrac{2}{4}$ or $\dfrac{3}{9}$?

Ans : _____

32) Arrange the fractions given below.
Begin with the **smallest** fraction to the **biggest** fraction.

$$\frac{1}{6} \quad , \quad \frac{1}{4} \quad , \quad \frac{1}{12}$$

Ans : _____ , _____ , _____
  (smallest)   (biggest)
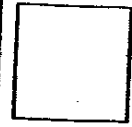
33) What is the time shown on the clock?

Ans: _____ a.m.

34) Write **a.m.** or **p.m.**

a) Alan goes to school at 7 _____ in the morning.

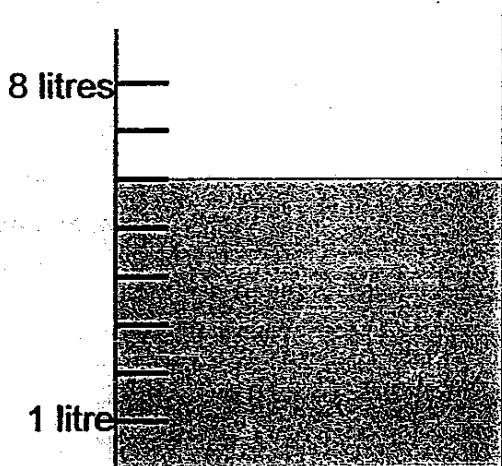b) My grandmother likes to go to park in the evening at 6.30 _____.

35)
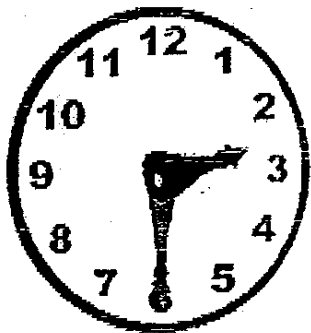
The time shown on the clock is _____ min before 3 p.m.

36) Sally sets her watch 20 minutes faster than the actual time.

When she reaches school, the school clock shows 7.20 a.m.

Her watch will show _____ a.m.

37)

8 litres

1 litre

How much water is there in the tank?

Ans : _____ litres

38) Study the information in the box below.

Jug ➡ It takes 9 glasses of water to fill the jug completely.

flask ➡ It takes 3 glasses of water to fill the flask completely.

How many flask(s) of water are required to fill up the jug?

Ans: _____

Use the information to answer Questions 39 and 40.

39) Cara bought 5 stalks of roses.
Pamela bought 2 fewer stalks of roses than Cara.
Tim bought 3 more stalks of roses than Pamela.

Complete the picture graph to show the number of roses each child bought.

Cara	◯ ◯ ◯ ◯ ◯
Pamela	
Tim	

Each ◯ stands for 1 stalk of rose

40) Both Pamela and Tim bought _____ stalks of roses more than Cara.

13

14
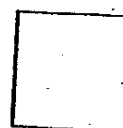
Section B (5 x 4 marks)

Show all your number sentences and working clearly in the spaces provided.

41) 8 children went on a treasure hunt.
Each of them found 4 toys.
How many toys did they find altogether?

Number sentence(s):

_____

Working

They found _____ toys altogether.

42) Mother bought a rectangular cake. She cut it into 10 equal pieces. She gave 4 pieces to her neighbours and 3 pieces to her children. What fraction of the cake was left?

(Colour the figure below to represent your working.)

_____ of the cake was left.

14
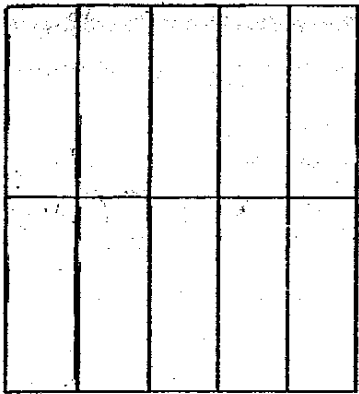
43) Kimberly bought 8 books. Each book cost $3.
If the cashier gave her a change of $6 change, how much did Kimberly give to the cashier ?

Number sentence(s):

Working

She gave $ _____ to the cashier.
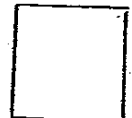
44) A baker sold 100 doughnuts on Monday and 200 doughnuts on Tuesday. On Wednesday, he sold 80 doughnuts fewer than on Tuesday. How many doughnuts were sold on Monday and Wednesday?

Number sentence(s):

Working

He sold _____ doughnuts on Monday and Wednesday.

45) A fruit seller has 97 apples. He puts 10 apples into each plastic bag.

a)   How many plastic bags does he need?

b)   How many apples are left?

Number sentence(s):

Working

a. He needs _____ plastic bags.

b. There are _____ apples left.

Have you checked your work?

18

CHIJ St. Nicholas Girls' Primary School
<u>Primary 2 Maths SA2 Exam (2006)</u>

Answer Sheets

1. 8 x 100 = 800
    5 x 1 = 5
    925 − 800 − 5 = 120
    120 ÷ 10 = <u>12</u>

2. <u>305</u>

3. 145 − 10 − 27 = 135
    135 − 27 = <u>108</u>

4a. 30 − 15 − 11 = <u>4</u>
4b. 30 − 16 − 6 = <u>9</u>

5a. 125 + 118 = <u>243</u>
5b. 107 − 90 = <u>17</u>

6a. 9 − 5 − 2 = <u>2</u>
6b. 8 − 4 − 3 = <u>1</u>

8a. <u>cm</u>
8b. <u>m</u>

7. 765 + 3 = <u>768</u>

9. 19 − 15 = <u>4cm</u>

10. 24 − 16 = <u>8cm</u>
    8 − 4 = <u>4cm</u>

11. 8 ÷ 4 = <u>2</u>

12. <u>Norman</u>

13. 90 − 75 = <u>15kg</u>

14. 55kg − 10kg = <u>45kg</u>
    75kg − 45kg = <u>30kg</u>

15. 75kg + 55kg = 130kg
    (Benny) + (Jasmine)
    <u>Benny and Jasmine</u>

16. 7 x 2 = 14

17. 18 ÷ 9 = 2

18. 2 + 2 + 2 + 2 + 2 = 12
    12 ÷ 2 = <u>6</u>

19. <u>10 x 3 , 3 tens</u>

20. 100 ÷ 10 = 10
    4 x 3 = 12
    4 x 3 is greater than 100÷10

21. $40 \div 5 = 8$

22. $10 \times 3 = 30$
     $250 + 30 = \underline{280}$

23. $\underline{8} \times \underline{4} = \underline{32}$
     $\underline{8} \times \underline{3} = \underline{24}$

24a. $2 \times 3 = \underline{6}$
24b. $14 \div 2 = \underline{7}$

25. $20 \div 2 = 10$
     $\underline{2} \times 5 = 10$

26a. $10 \underline{\times} 4 = \underline{40 \text{ hair clips}}$
26b. $40 \div 5 = \underline{8 \text{ hair clips(bags)}}$

27. Adult = $\$4 \times 2 = \$8.00$
     Child = $\$2 \times 4 = \$8.00$
     They watch **softball** game

28. Adult = $2 \times \$10 = \$20.00$
     Child = $4 \times \$3 = \$12.00$
     $\$20.00 + \$12.00 = \$32.00$
     $\$50.00 - \$32.00 = \underline{\$18.00}$

29. $\dfrac{3}{6} = \dfrac{1}{2}$

30. $\dfrac{4}{10} = \dfrac{2}{5}$

31. $\dfrac{2}{4}$

32. $\dfrac{1}{12} , \dfrac{1}{6} , \dfrac{1}{4}$

33. 1.15am

34a. <u>7am</u> in the morning.
34b. <u>6.30pm</u>

35. $3.00\text{pm} - 2.30\text{pm} = \underline{30\text{mins}}$

36. Her watch will show <u>7.40am</u>

37. 6ℓ

38. $9 \div 3 = \underline{3 \text{ flasks of water}}$

39. Pamela ◯ ◯ ◯
     $5 - 2 = \underline{3}$

     Tim ◯ ◯ ◯
         ◯ ◯ ◯
     $3 + 3 = \underline{6}$

40. $6 + 3 = 9$
     $9 - 5 = 4$

41.   x 4 = 32

They found <u>32 toys</u> altogether.

42.   10 − 4 − 3 = 3

$$\frac{10}{10} - \frac{4}{10} - \frac{3}{10} = \frac{3}{10}$$

$\frac{3}{10}$ of the cake was left.

43.   8 x $3.0 = $24.00

$24.00 + $6.00 = <u>$30.00</u>

She gave <u>$30.00</u> to the cashier.

44.   200 − 8 = 120

100 + 120 = <u>220 donuts</u>

He sold <u>220 donuts</u> on Monday and Wednesday.

45a.   97 ÷ 20 = 9 remainder 7
               = 9

He needs <u>9 plastic bags</u>.

45b.   There are 7 apples left.