

Name : _____ ()

Class : Primary 4 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 4 Mathematics

First Semestral Assessment – 2008

6th May 2008

Parent's Signature

Section A :	/ 40
Section B :	/ 36
Section C :	/ 24
Total :	100

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)

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. 10 000 more than 54 200 is _____.
- | | |
|-----------|-----------|
| 1) 44 200 | 2) 53 200 |
| 3) 55 200 | 4) 64 200 |
2. The digit 3 in the sum of 53 567 and 26 829 stands for _____.
- | | |
|---------|-----------|
| 1) 30 | 2) 300 |
| 3) 3000 | 4) 30 000 |
3. 116 hundreds is 32 tens more than _____.
- | | |
|-----------|-----------|
| 1) 11 920 | 2) 11 280 |
| 3) 1128 | 4) 840 |
4. Round off the sum of 23 567 and 4799 to the nearest ten.
- | | |
|-----------|-----------|
| 1) 28 300 | 2) 28 360 |
| 3) 28 370 | 4) 28 400 |
5. What are the common factors of 18 and 27?
- | | |
|-------------|-------------|
| 1) 1, 3, 9 | 2) 1, 2, 18 |
| 3) 1, 9, 18 | 4) 1, 3, 27 |
6. Find the product of 1044 and 36.
- | | |
|-----------|-----------|
| 1) 9396 | 2) 37 584 |
| 3) 37 384 | 4) 65 772 |

7. What improper fraction do the shaded parts of the figure represent?



1) $\frac{7}{10}$

2) $\frac{17}{10}$

3) $\frac{17}{20}$

4) $\frac{27}{20}$

8. There are 6 700 chickens, when rounded off to the nearest hundred, in a farm. What is the greatest possible number of chickens in the farm ?

1) 6 608

2) 6 649

3) 6 749

4) 6 780

9. Mr Tan had 124 crates of oranges. There were 72 oranges in each crate. How many oranges did he have altogether?

1) 1116

2) 3348

3) 8928

4) 9052

10. Carina and Jack save \$ 4468 altogether every month. Jack saves \$468 more than Carina. How much will Jack save in a year?

1) \$29 616

2) \$48 000

3) \$53 616

4) \$59 232

11. 2 television sets and 2 DVD players cost \$5400. The cost of each television set is three times the cost of a DVD player. Find the cost of 2 such television sets.

1) \$675

2) \$1350

3) \$2025

4) \$4050

12. What is the missing number in the box ?

$$6\frac{4}{6} = \frac{\boxed{?}}{3}$$

1) 2

2) 8

3) 20

4) 40

13. Mrs Lim had 4 kg of prawns. She gave $\frac{1}{8}$ kg of prawns to Mrs Tan and $\frac{3}{4}$ kg of prawns to Mr Chen. How many kilograms of prawns had she left?

1) 3 kg

2) $3\frac{1}{4}$ kg

3) $3\frac{7}{8}$ kg

4) $3\frac{1}{8}$ kg

14. Donna drank $\frac{3}{10}$ ℓ of milk. Kamil drank $\frac{1}{2}$ ℓ of milk more than she did. How many litres of milk did they drink altogether?

1) $\frac{4}{12}$ ℓ

2) $\frac{4}{5}$ ℓ

3) $1\frac{1}{10}$ ℓ

4) $1\frac{3}{10}$ ℓ

15. Sharlene baked 42 tarts. She gave $\frac{5}{6}$ of them to her friends. How many tarts had she left?

1) 7

2) 8

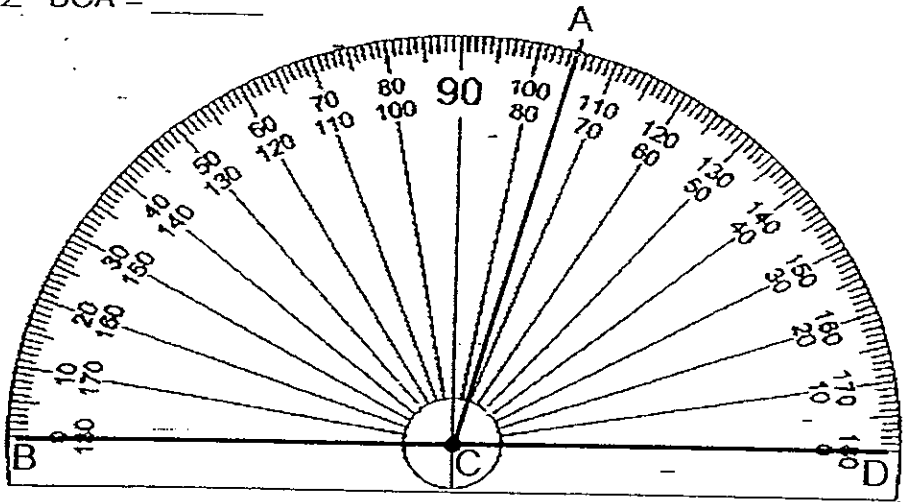
3) 35

4) 40

16. Jenny started walking to the library at 3.40 p.m. When she reached the library, she noticed that the minute-hand of the clock had moved 90° clockwise. What time did she reach the library?

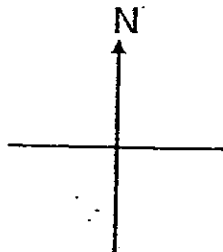
- 1) 3.25 p.m. 2) ~~3.25 p.m.~~ ^{3.50 p.m.}
 3) 3.55 p.m. 4) 4.00 p.m.

17. $\angle BCA = \underline{\hspace{2cm}}^\circ$



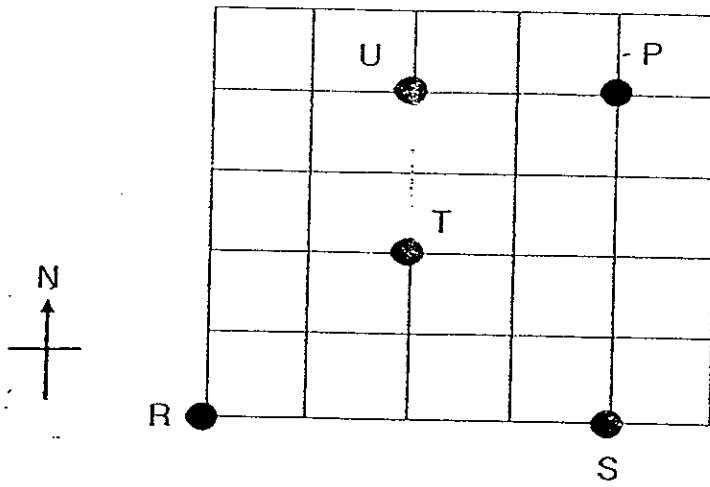
- 1) 75 2) 85
 3) 105 4) 115

18. Joseph is facing North-east. If he makes a _____ - turn in the anti-clockwise direction he will be facing South.



- 1) 135° 2) 180°
 3) 225° 4) 270°

19. Point T is _____ of Point S and _____ of Point U.



- 1) north-west, north 2) south-east, north
 3) north-west, south 4) south-east, south

20. The table below shows the number of swimmers and non-swimmers in two classes.

	Swimmers	Non-swimmers	Total
Number of boys	24	19	
Number of girls			42
Total		38	85

How many girls are swimmers?

- 1) 19 2) 23
 3) 42 4) 47

SECTION B: (18 x 2 marks)

Write your answers in the blanks provided. Show your working clearly.
Leave your answer in the units stated.

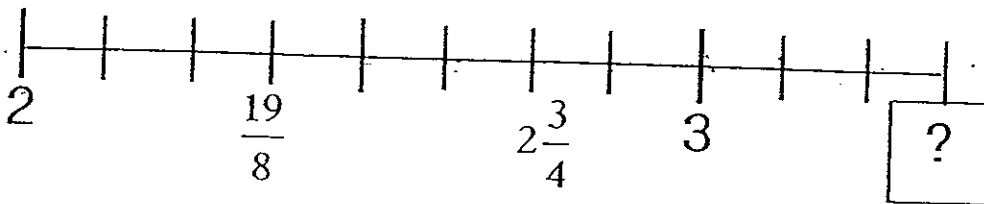
21. Express 28 sixths as a mixed number.

Ans: _____

22. $\frac{5}{8}$ of 32 = _____

Ans: _____

23. Find the missing fraction.

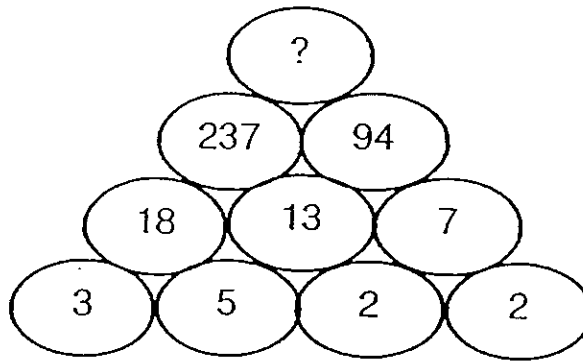


Ans: _____

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24. Study the number pattern carefully.
Find the missing number.



Ans : _____

25. A leaking tap fills a tank with 150 ml of water every 10 minutes.
How much water is there in the tank after 2 hours?

Ans : _____ ml

26. Abigail bought 3 similar T-shirts. Lee Meng bought 4 similar jackets and paid \$57 more. If each T-shirt cost \$25, how much did each jacket cost?

Ans : \$ _____

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27. There were 231 comic books on sale at a book fair. Johnny sold $\frac{2}{3}$ of the books and packed the remaining books into sets of 6. How many sets of comic books did he manage to pack?

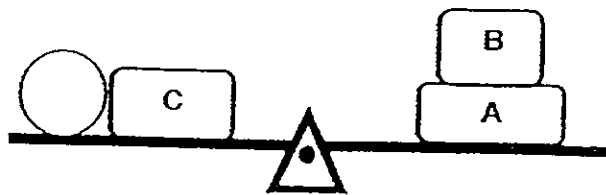
Ans : _____

28. Kristen coloured some of the stars as shown. How many more stars must she colour so that $\frac{5}{6}$ of the stars are coloured?



Ans : _____

29. Felicia placed some parcels and a metal ball on a balance. Parcel A is twice as heavy as parcel B. Parcel C weighs $\frac{1}{2}$ kg less than Parcel A. If the mass of Parcel C is $\frac{3}{10}$ kg, find the mass of the metal ball.



Ans : _____ kg

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30. Jolene is 21 years younger than her uncle. The product of their ages is 100. What is Jolene's age in 16 years' time?

Ans : _____

31. Given the line below, construct $\angle XYZ$ such that $\angle XYZ = 110^\circ$. Label the angle clearly.



32. Alan, Ben, Carl and Dave each represent the school in one of the following sports : soccer, badminton, hockey and volleyball. Carl does not play volleyball. Alan plays neither volleyball nor badminton. Dave plays hockey. What do Ben and Carl represent the school in?

Ans.: Ben: _____

Carl: _____



Do not write in this space

33. Devon has 8 blue marbles, twice as many green marbles as blue marbles and $\frac{1}{4}$ as many red marbles as green marbles. What fraction of his marbles are green or red in colour ?

Ans : _____

34. Alan bought $\frac{11}{12}$ kg of flour. He used $\frac{1}{6}$ kg of flour to make some pancakes and $\frac{1}{2}$ kg of flour to bake some muffins. How many kilograms of flour had he left? (Express your answer in simplest form)

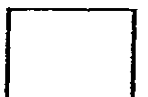
Ans : _____ kg

35. Xiaoming was given 108 black and white cards. He arranged them in the pattern shown below.



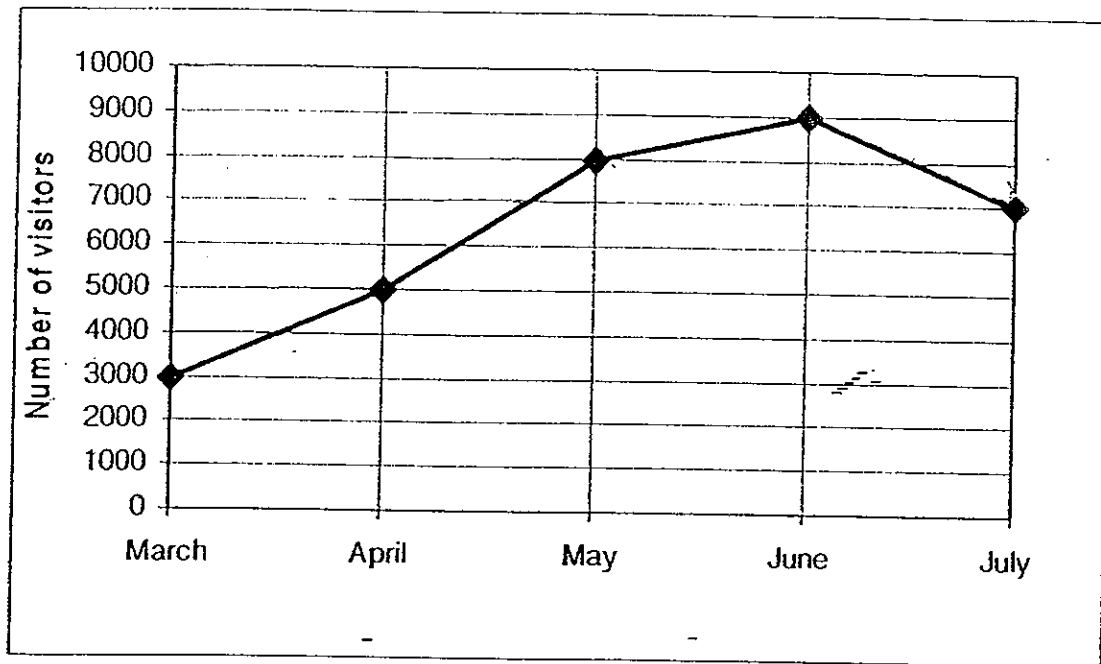
How many black cards were given to him ?

Ans : _____



The line graph shows the number of visitors at the Snake Farm over 5 months. Study the graph and answer Questions 36 & 37.

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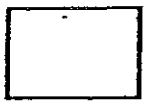
36. a) During which 1-month interval was the increase in visitors the greatest?
 b) What was the increase?

Ans : a) From _____ to _____

b) _____

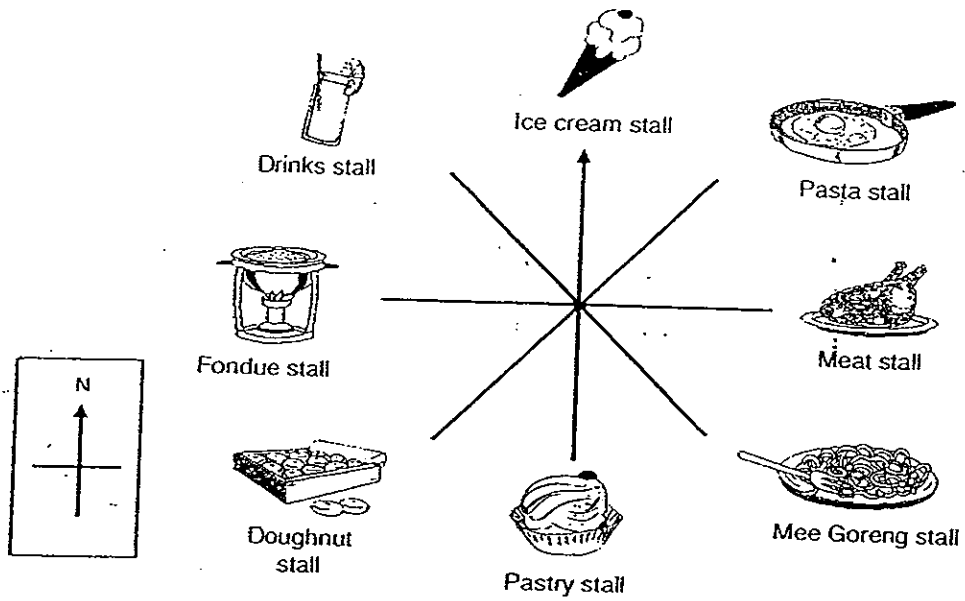
37. In August, the number of visitors was thrice that in March. If the Snake Farm charged \$13 for each visitor, how much more money did they collect in August than in March?

Ans : _____



Use the diagram below to answer Question 38.

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38. Dominic is standing in the middle of the field at a food carnival. He is facing west. If he turns 135° in the clockwise direction, which stall will he be facing?

Ans : _____

END OF SECTION B



SECTION C: (6 x 4 marks)

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

39. Tiffany had twice as much money as James. After Tiffany spent \$400, James had three times as much money as her. How much money did they have at first?

Do not write in this space

Ans : _____

40. A florist sold $\frac{3}{10}$ of her roses to a customer and gave $\frac{2}{5}$ of her roses to a friend. She had 510 roses left. How many roses did she give to her friend?

Ans : _____



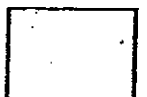
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41. Box A contains twelve 20-cent coins while Box B contains some 5-cent coins. If I take four coins out of box A, the value of coins in box B is 5 times the amount in box A. How many coins are there in box B?

Ans : _____

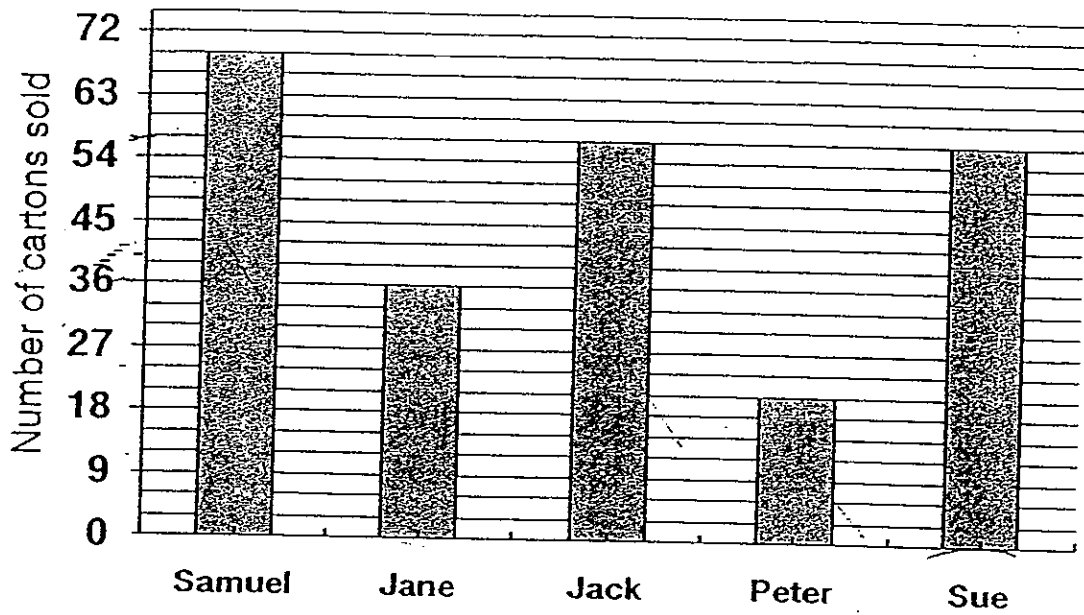
42. $\frac{1}{8}$ of the balloons in a packet are blue, $\frac{1}{4}$ of them are red and the remaining ones are green. If there are 54 more green balloons than red ones, how many balloons are there in each packet ?

Ans : _____



43. The graph shows the number of cartons of plums sold by 5 children. Study the graph carefully and answer question 43.

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There were 28 plums in each carton. If there were 4 rotten plums in every 3 cartons, how many plums did the girls sell altogether?

Ans : _____

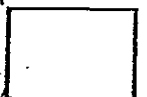


44. A shopkeeper had 20 boxes of sweets which contained 325 sweets each. He repacked all the sweets into packets of 7. He sold each bag for \$2 and the remaining sweets at \$0.40 each. How much did he collect from the sale of all the sweets ?

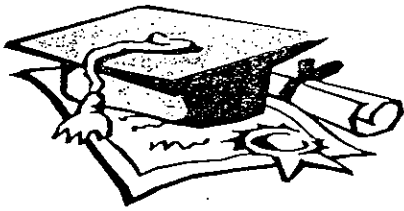
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Ans : _____

****END OF PAPER ****







ANSWER SHEET

EXAM PAPER 2008

SCHOOL : CHIJ PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 1

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

Q18	Q19	Q20
3	3	2

21) $4\frac{2}{3}$

22) 20

23) $3\frac{3}{8}$

24) 22281

25) 1800ml

26) \$33

27) 12

28) 7

29) 9/10kg

30) 20

31)

32) Ben: volley ball

Carl: badminton

33) $5/7$

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

X



35) 72

36) a) April to May

b) 3000

37) \$78000

38) Pasta stall

39) 50

40) 680

41) 160

42) 144

43) 2480

44) \$1857.60