Name : _____ (   )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL

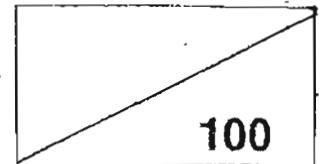## Primary 4

First Semestral Assessment – 2007

Mathematics

7 May 2007

Parent's signature: _____

Score : | / 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 them is the correct answer. Make your choice and 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. The digit 6 in 36 589 stands for _____.

   1) 600 ones   2) 60 tens

   3) 60 hundreds   4) 6 ten thousands

2. _____ is 20 000 less than 58 016.

   1) 38 016   2) 56 016

   3) 60 016   4) 78 016

3. A 5-digit number is made up of different even digits. Which of the following is the smallest possible answer?

   1) 20 462   2) 20 468

   3) 22 468   4) 22 684

4. All the factors of a number are given below :

   1, 7 and [ ] .

   What is the missing factor?

   1) 28   2) 35

   3) 44   4) 49

100

2

5. Mr Goh's monthly salary is $2 500 when rounded off to the nearest hundred dollars. What is the greatest amount that Mr Goh could have earned each month?

1) $2 449

2) $2 499

3) $2 501

4) $2 549

6. Karin bought some stickers which were sold in sets of 7. How many stickers could she have bought?

1) 107

2) 112

3) 142

4) 156

7. How many numbers **between** 40 and 60 are multiples of 6?

1) 2

2) 3

3) 4

4) 5

8. 10 identical red pens cost $25. If Mary has just enough money to buy 18 such pens, how much money does Mary have?

1) $22.50 ×

2) $45

3) $37.50

4) $70

9. What is the **best** estimate for the product of 319 and 74?

1) 300 x 70

2) 320 x 80

3) 320 x 70

4) 400 x 70

101

3

10. Julie gets $15 as pocket money in a day. How much will she get in 4 weeks?

1) $60

2) $105

3) $420

4) $460

11. The first common multiple of 4 and 6 is _____.

1) 1

2) 2

3) 12

4) 24

12. In Sunshine School, there are 25 Malays, 17 Indians and 15 Chinese. What fraction of the enrolment is non-Chinese?

1) $\dfrac{32}{57}$

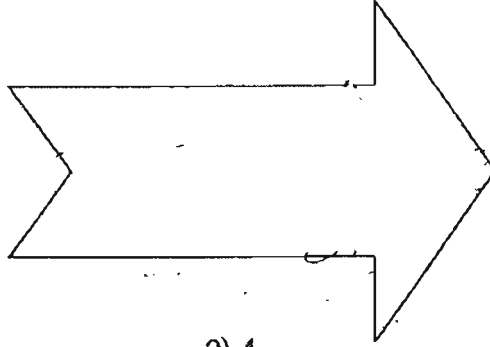2) $\dfrac{14}{19}$

3) $\dfrac{17}{57}$

4) $\dfrac{5}{19}$

13. The table below shows the time taken by 5 children to complete a race.

Name of child	Time Taken
Susan	2min 35s
Liling	3min 28s
Geraldine	1min 59s
Chelsea	2min 47s
Marian	2min 8s

Who won the second prize in this event?

1) Chelsea

2) Geraldine

3) Liling

4) Marian

14. In the figure below, how many angles are **greater than** a right angle?

1) 2   2) 4

3) 5   4) 8

15. $5 - \dfrac{5}{8} =$ _____

1) $5\dfrac{3}{8}$ 2) $5\dfrac{5}{8}$

3) $4\dfrac{3}{8}$ 4) $4\dfrac{5}{8}$

16. Find the missing numerator.

$$\dfrac{16}{24} = \dfrac{\square}{9}$$

1) 4   2) 6

3) 8   4) 10

17. Mary baked a strawberry cake and cut it into 10 equal pieces. She ate 2 pieces and gave her brother and mother 3 pieces each. What fraction of the cake was left?

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

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

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

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

18. Convert $\frac{18}{8}$ into a mixed number.

1) $1\frac{5}{8}$

2) $1\frac{3}{8}$

3) $2\frac{1}{8}$

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

19. Which of the following has the same value as $3 \times \frac{2}{3}$?

1) $\frac{3 \times 2}{3 \times 3}$

2) $\frac{3 \times 1}{3 \times 3}$

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

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

20. There was 2 l of water in a flask. Zenia spilt $\frac{3}{10}$ of it. How much water was left in the flask?

1) $\frac{3}{5}l$

2) $\frac{1}{2}l$

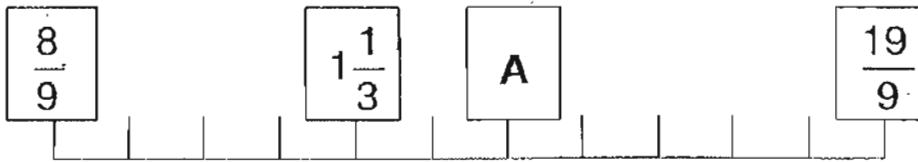3) $1\frac{7}{10}l$

4) $1\frac{2}{5}l$

SECTION B: (18 x 2 marks)
Write your answers in the blanks provided. Show your working clearly in the space provided for each question.

21. What is the quotient when 7615 is divided by 4?

Ans:_____

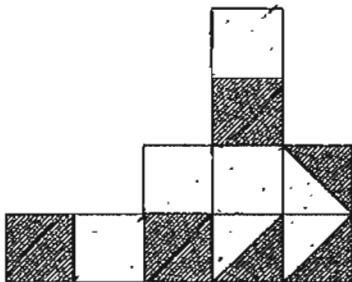22. The figure below shows a number line. Find the value of A.
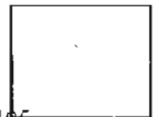(Express your answer as a mixed number)

$\dfrac{8}{9}$ $\quad$ $1\dfrac{1}{3}$ $\quad$ A $\quad$ $\dfrac{19}{9}$

Ans:_____

23. How many more triangles must be shaded so that $\dfrac{3}{4}$ of the whole figure is shaded?

Ans:_____

7

24. Find the sum of all the factors of 48.

Ans: _____

25. What is the sum of the first multiple of 15 and the sixth multiple of 7?

Ans: _____

26. I am a 2-digit even number which is less than 20.
I can be divided by 3 exactly.
If I am added to 3, I can be divided by 5 exactly.
What number am I?

Ans: _____

27. Eunice had 17 storybooks. If there were 205 pages in each storybook, how many pages were there altogether?

Ans: _____ pages

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8

28. Mr Seet spent $1 876 on a refrigerator and a washing machine. If the cost of the refrigerator is thrice the cost of the washing machine, find the cost of 2 such washing machines.

Ans: $_____

29. There are 56 men and 77 women in a toy factory. If each of them receives $72 as salary a day, how much is their total salary a day? Round off the answer to the nearest $100.
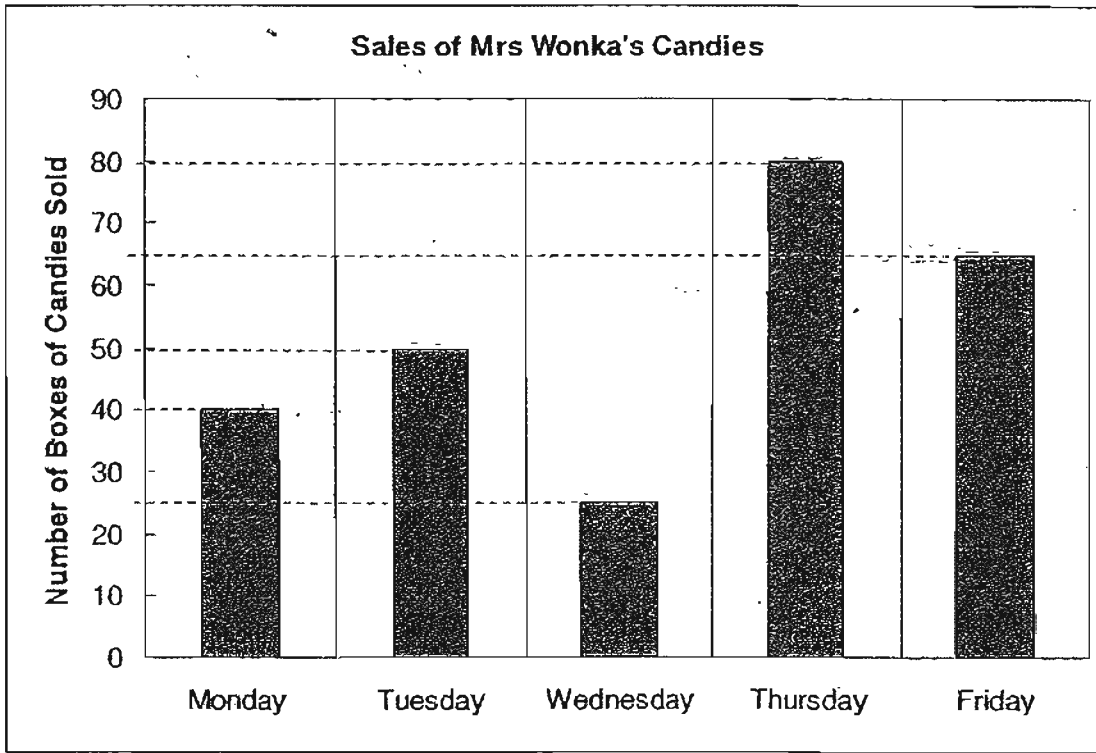
Ans: $_____

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Answer questions 30(a) and (b) using the graph below.
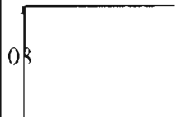The graph shows the number of boxes of candies sold in Mrs Wonka's candy shop in a particular week.

Sales of Mrs Wonka's Candies

Number of Boxes of Candies Sold

Day	Boxes
Monday	40
Tuesday	50
Wednesday	25
Thursday	80
Friday	65

30a. On which day did Mrs Wonka sell 25 fewer boxes of candies than on Friday?

Ans: _____

30b. On which day did Mrs Wonka sell twice as many boxes of candies as ~~Thursday?~~
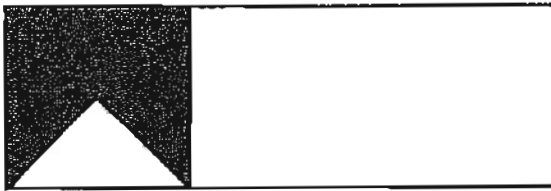Wednesday

Ans: _____

10

31. There are 50 pupils in Mrs Tan's class. The table below shows the number of brothers the pupils in Mrs Tan's class have. How many pupils have 2 brothers?

No. of brothers	0	1	2	3	4
No. of pupils	6	17	?	4	1

Ans: _____ pupils

32. The figure below is made up of a square and a rectangle. The length of the rectangle is twice the length of the square. What fraction of the figure below is shaded?
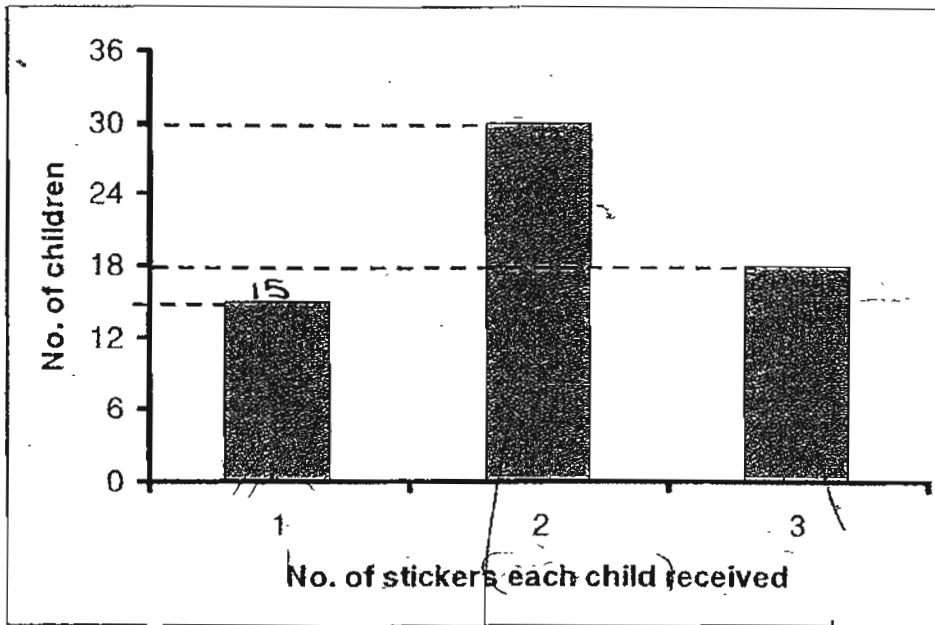

Ans: _____

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11

33. The graph below shows the number of stickers May gave to some children. How many stickers did she give away?

Ans:_____ stickers

34. How many thirds are there altogether in the difference between $2\frac{8}{9}$ and $1\frac{5}{9}$?

Ans: _____

12

35. Laura spent $\frac{3}{8}$ of her money on a book. If she had $60 left, how much money did she have at first?

Ans: $ _____

36. Arrange the following fractions in descending order.

$$\frac{3}{8}, \qquad \frac{4}{5}, \qquad \frac{1}{10}$$
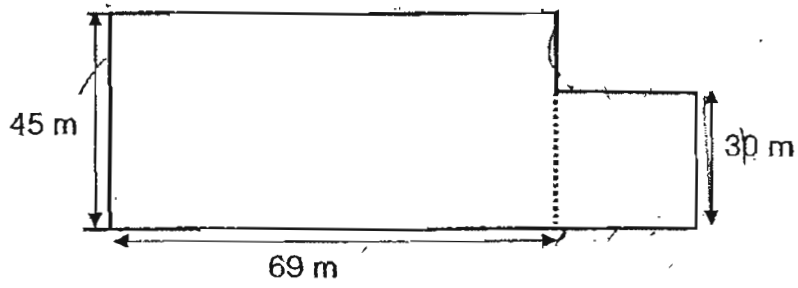
Ans: _____

37. The total distance between ABC Primary School and a park is 980m. Mr Yeo walked $\frac{3}{10}$ of the total distance. Find the distance that he walked.

Ans: _____ m

13

38. The figure below is made up of a square and a rectangle. Find the perimeter of the figure.

45 m

30 m

69 m

Ans: _____ m

END OF SECTION B

14

SECTION C: (6 x 4 marks)
Solve the following problems. <u>All mathematical working and statements must be shown clearly.</u>

39. A librarian had 8 boxes of books. She arranged all the books into sets of 24 and found that she had 58 sets. How many books were there in each box?
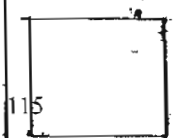
40. Tracey and Aisha saved $7 156 altogether in a year. Aisha saved $818 less than Tracey. Jasmine saved $599 more than Tracey. How much did Jasmine save?

41. There are a total of 25 bicycles and tricycles in a shop. If there are 57 wheels altogether, how many tricycles are there?

115

17

42. Mr Loh spent the same amount of money on 3 briefcases and 4 trench coats. If he spent $2 688 altogether, how much would 13 such briefcases and 4 trench coats cost?
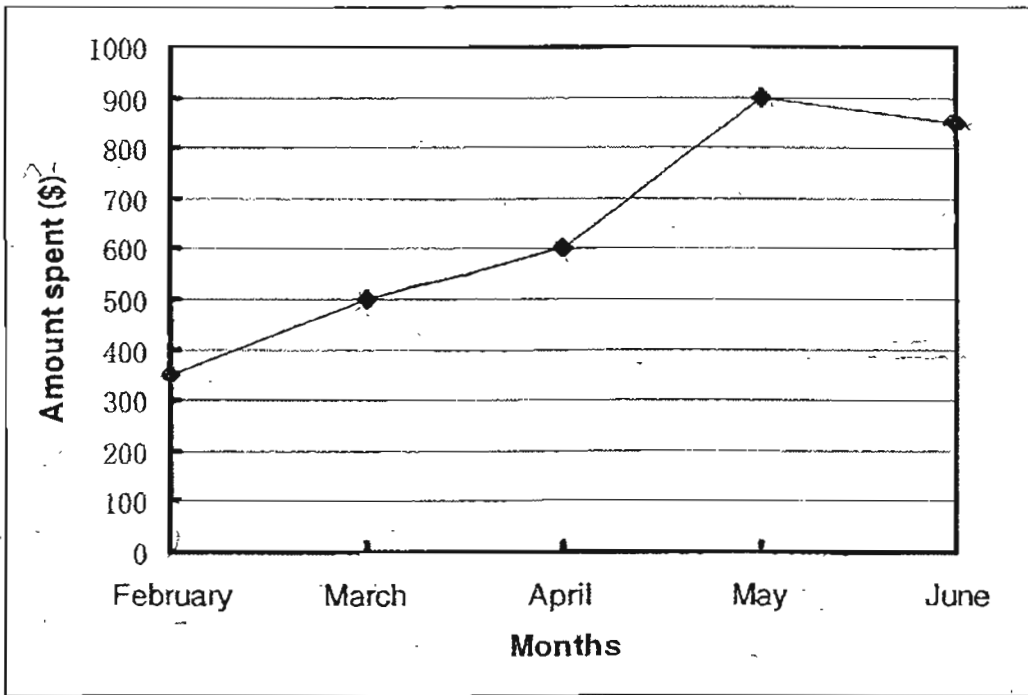
16

18

43. The line graph below shows how much Mr Lee spent from February to June.

Mr Lee spent part of his monthly salary and saved the rest.
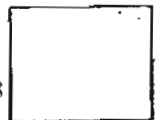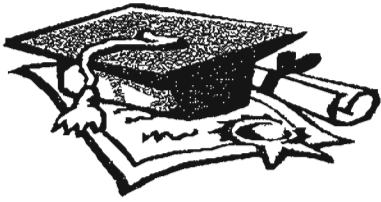If his monthly salary was $2500, how much did he save over the 5 months?

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44. A tailor bought $4\frac{1}{2}$ m of ribbon. He made 3 bows with $\frac{3}{10}$ m of ribbon each.

a. If each metre of ribbon cost $10, find the total amount of money he paid for the ribbon at first.

b. How much ribbon had he left?

End of Paper

18

20

CHIJ PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3
2. 1
3. 2
4. 4
5. 4
6. 2
7. 2
8. 2
9. 3
10. 3
11. 3
12. 2
13. 4
14. 2
15. 3
16. 2
17. 3
18. 4
19. 4
20. 4
21. 1908
22. 15/9
23. 6
24. 104
25. 57
26. 12
27. 3485
28. $938
29. $9600
30. a) Monday
    b) Tuesday

31) 22
32)
33) 129
34) 4
35) $96
36) 4/5, 3/8, 1/10
37) 294m
38) 288m
39) 1 set → 24 books
    58 set → 58×24=1392
    8 books → 1392
    1 box → 1392÷8=174
    There are 174 books in the box.

40) 7156−818=6338
    6338÷2=3169
    3169+818=3987
    3987+599=4586
    Jasmine save $4586

41)

No.of Bicycles	No.of b.wheel	No.of tricycles	No.of t.wheel	t.no.of wheel	check
20	40	5	15	55	x
19	38	6	18	56	x
18	36	7	21	57	√

There are 7 tricycles.

42) 2688÷2=1344
1344÷3=448
13x448=5824
5824+1344=7168
They cost $7168

43) Total salary→$2500x5=$12500
Total spent→$350+$500+$600+$900+$850=$3200
Total savings→$12500-$3200=$9300
He saved $9300 over the 7 months.

44)a)Ribbon at first→4$_{5/10}$x10/1=$45
He paid $45 for the ribbon at first.
b)3/10m=30cm
4½m=450cm
30x3=90
450-90=360m
She left 360m.