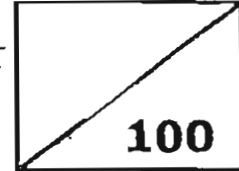




Rosyth School
Semestral Assessment 2 2007
Mathematics
Primary 3



Name: _____

Class: Pr 3-_____ Register No.: _____ Duration: 1h 45 min

Date: 30th October 2007 Parent's Signature: _____

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of 3 parts, Sections A, B and C.
4. For questions 1 to 20 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).

	Maximum	Marks Obtained
Section A	40	
Section B	40	
Section C *	20	
Total	100	

* This paper consists of 18 pages altogether.

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Section A (40 marks)

Questions 1 to 20 carry 2 marks each.

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3, or 4). Shade the correct oval (1, 2, 3, or 4) on the Optical Answer Sheet.

1. What is the missing number in the box?

$$1\ 678 = 1\ 000 + \boxed{} + 70 + 8$$

- (1) 6
- (2) 60
- (3) 600
- (4) 6 000

2. In 9 432, the digit 3 is in the _____ place.

- (1) ones
- (2) tens
- (3) hundreds
- (4) thousands

3. Sue exchanges a \$5 note for 10 coins. All the coins have the same value. What is the value of each coin?

- (1) 5¢
- (2) 10¢
- (3) 20¢
- (4) 50¢

4. Express 1 890 g in kilograms and grams.

- (1) 1 kg 89 g
- (2) 1 kg 890g
- (3)* 18kg 9 g
- (4) 18 kg 90 g

5. Which one of the following fractions does not have the same value as $\frac{4}{8}$?

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

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

(3) $\frac{6}{10}$

(4) $\frac{8}{16}$

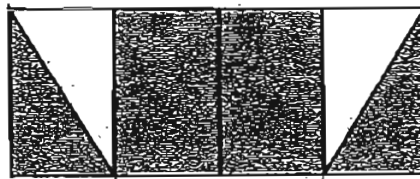
6. What fraction of the rectangle below is not shaded?

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

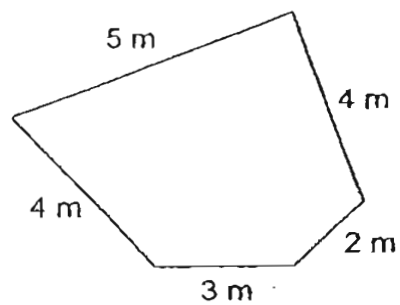
(2) $\frac{2}{6}$

(3) $\frac{4}{6}$

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



7. The perimeter of the figure is _____ m.



(1) 13

(2) 15

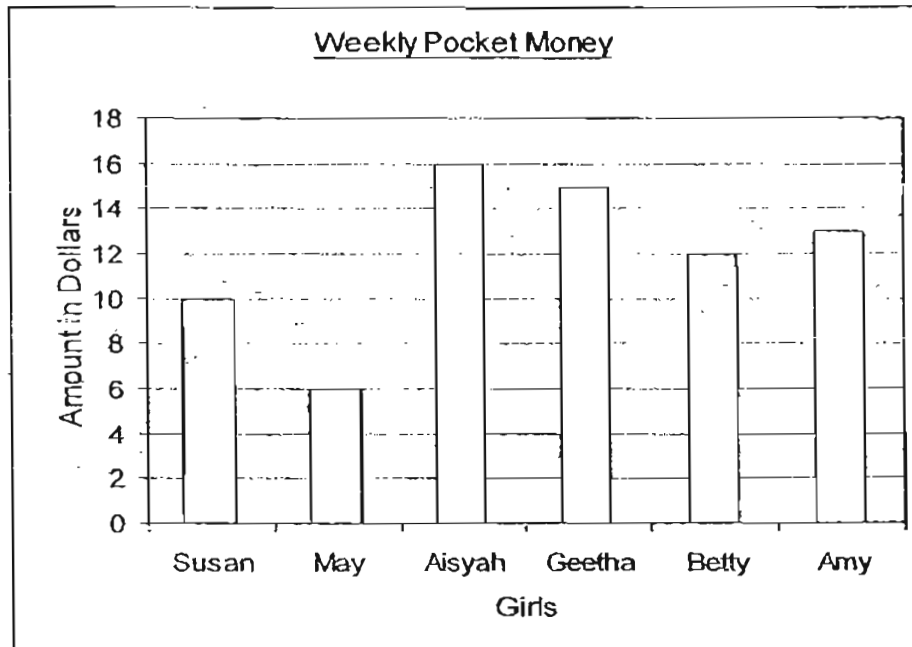
(3) 16

(4) 18

8. 1 h 50 min ago, the time was 3.50 p.m. The time now is _____ p.m.

- (1) 2.00
- (2) 4.40
- (3) 5.00
- (4) 5.40

The following bar graph represents the amount of weekly pocket money of 6 girls. Study it carefully and answer question 9.



9. How much more pocket money does Geetha have than May?

- (1) \$ 6
- (2) \$ 8
- (3) \$ 9
- (4) \$ 15

10. The numeral for 3 thousands, 12 hundreds, 6 tens and 10 ones is _____.

- (1) 3 121
- (2) 3 190
- (3) 4 181
- (4) 4 270

11. Which of the following has the smallest value?

- (1) $8\,000 - 8$
- (2) $7\,900 + 20$
- (3) $8\,008$
- (4) 800×9

12. Muthu has 580 marbles. He shares them among his 4 friends. How many marbles does each friend get?

- (1) 145
- (2) 576
- (3) 584
- (4) 2 320

13. Siti scored 92 marks in Mathematics. She scored 6 marks more in Mathematics than in Science. How many marks did she score in Science?

- (1) 84
- (2) 86
- (3) 96
- (4) 98

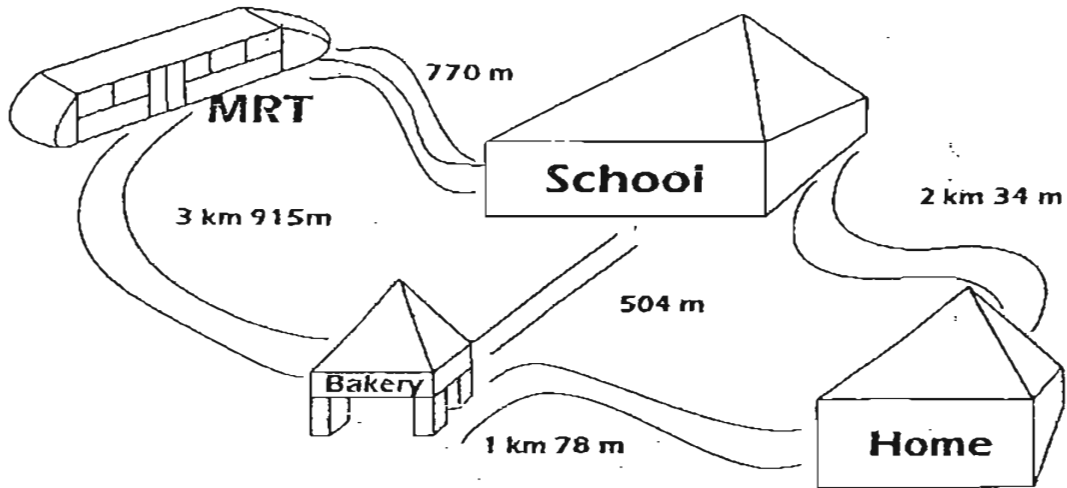
14. Mr Lim went shopping with some money. He bought a watch for \$73.45 and had \$17.55 left. How much did he bring along for shopping?

- (1) \$55.90
- (2) \$64.10
- (3) \$90.90
- (4) \$91.00

15. Mdm Tay wants to pay her maid \$360. She finds that she is short of \$65. How much money does Mdm Tay have?

- (1) \$295
- (2) \$305
- (3) \$325
- (4) \$425

Study the diagram below and answer Question 16.



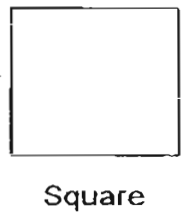
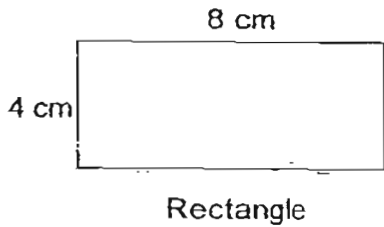
16. Mrs Tay drives from the MRT station to the school to fetch her son. She then drops by at the bakery before she heads back home. What is the total distance travelled by Mrs Tay if she takes the shortest possible route?
- (1) 1 km 452 m
 - (2) 2 km 352 m
 - (3) 3 km 54 m
 - (4) 8 km 301 m

17. If there are 660 ml of orange juice in a bottle, how many more millilitres of orange juice are needed to make up 2 l ?
- (1) 1240 ml
 - (2) 1280 ml
 - (3) 1340 ml
 - (4) 1360 ml

18. John cuts a cake equally into 5 pieces. He eats 2 pieces and gives the rest to his sister. What fraction of the ~~pie~~ does his sister get?

- (1) $\frac{1}{3}$
- (2) $\frac{2}{5}$
- (3) $\frac{3}{5}$
- (4) $\frac{2}{3}$

19.



The square shown has the same perimeter as the rectangle shown. What is the length of the square?

- (1) 6 cm
- (2) 8 cm
- (3) 3 cm
- (4) 16 cm

20. Mrs Lim has 28 chicken pies. She packs all of them into boxes. Each box can hold up to 5 pies.

Which of the following cannot be the total number of boxes she uses?

- (1) 5
- (2) 6
- (3) 7
- (4) 8

Section B (40 marks)

Questions 21 to 40 carry 2 marks each.

For each question, show your working clearly in the space below each question.

Write your answers in the spaces provided. Give your answers in the units stated.

21. Find the product of 364 and 5.

22. Divide 781 by 8.
What is the remainder?

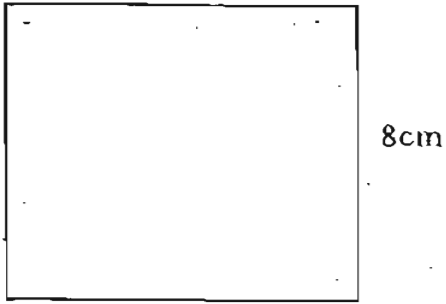
23. Find the value of $\$21.35 + \15.85

24. Sam bought a pen and an exercise book for a total of \$1.60.
He only has some twenty-cent coins with him.
How many twenty-cent coins did he use to pay for what he had bought?

25. A pail has $6\text{ l } 335\text{ ml}$ of water.
 $1\text{ l } 780\text{ ml}$ more water are needed to fill up the pail.
What is the capacity of the pail?
Express your answer in litres and millilitres.

26. The sum of $\frac{1}{3}$, $\frac{1}{6}$ and $\frac{1}{12}$ is _____.

27. Find the area of the square shown below.



28. Express 4 h 16 min in minutes.

29. $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9$

When the first 9 numbers are added up, what is the digit in the ones place of this total?

30. The chairs in the hall are arranged in rows of 9.
There are 126 rows of chairs.
How many chairs are there altogether?

31. $21 = 3 \times 3 + \square \times 3$

What is the missing number in the box?

32. 100 less than 2 083 is _____

33. Vani was given \$5 to spend during an outing.
She spent \$1.20 on a chicken wing and 90¢ on an ice-cream.
How much had she left?

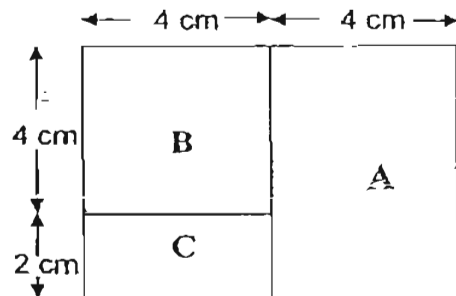
34. The length of a rope is 3 times the length of a ribbon.
If the length of the ribbon is 72 cm, what is the length of the rope?

 cm

35. $\frac{2}{5} + \frac{3}{10} = \frac{\square}{10}$

What is the missing number in the \square ?

36. The figure is made up of two rectangles, A and C, and a square, B.
Calculate the perimeter of Rectangle A.


 cm

37. Study the signboard which is placed on the door of Rocky Café.

Opening Hours: 10 am --- 9 pm Daily
Closed on Sunday.

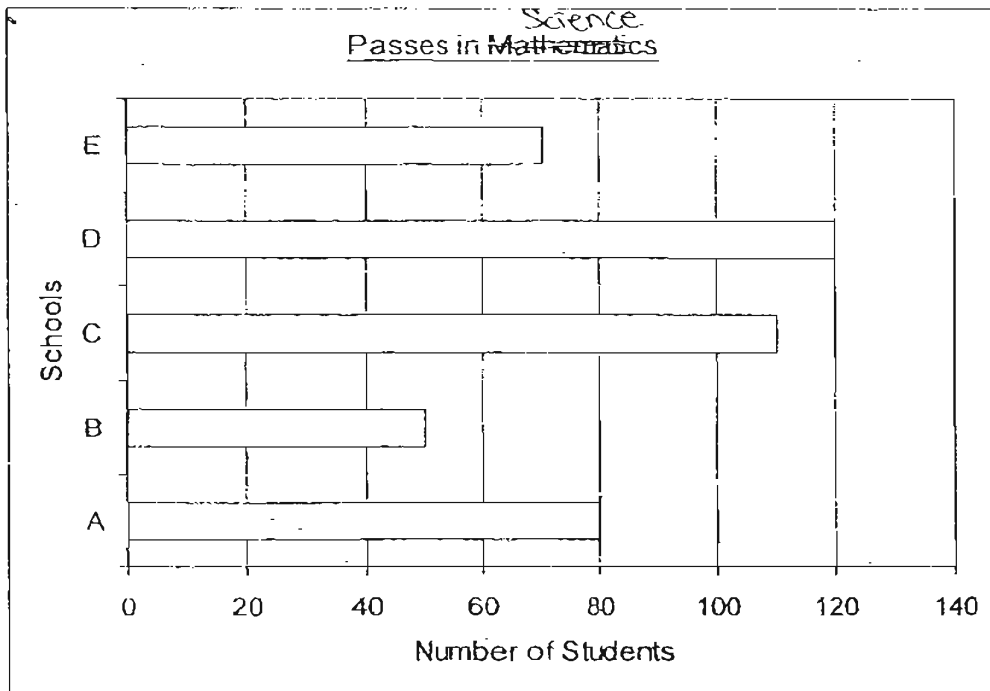
The café is open for _____ hours a week.

38.

3, 5, 6, 8

Using any **three numbers** in the box above,
form the **largest three-digit even number**.

The bar graph below shows the number of students in 5 schools (A, B, C, D and E) who passed a Science examination. Study the graph carefully and answer Questions 39 and 40.



39. If 25 female students in School C passed the examination, how many boys passed the same examination in School C?

40. Students who passed the examination in School D were given 2 pencils each by the Principal. How many pencils did the Principal give away altogether?

Section C (20 marks)

For questions 41 to 45, show your working clearly in the space below each question and write your answers in the spaces provided.

The number of marks for each question is shown in brackets [].

41. A box contains blue and yellow buttons. There are 68 blue buttons.
There are 32 more yellow buttons than blue buttons.
(a) How many yellow buttons are there?
(b) How many buttons are there in the box altogether?

Answer : (a) _____ [2m]

(b) _____ [2m]

42. 40 children attended a party.
Each boy ate 3 cookies and each girl ate 4 cookies.
If there was an equal number of boys and girls, how many cookies
did they eat altogether?

Answer: _____ [4m]

43. A total of 5 100 people took part in a walkathon.
1 200 of them were girls.
There were 56 fewer boys than girls.
The rest were adults.
(a) How many boys were there?
(b) How many adults were there?

Answer : (a) _____ [2 m]

(b) _____ [2 m]

44. Mrs Siva bought 10 bunches of rambutans.
There were 66 rambutans in each bunch.
If she shared the rambutans with 5 friends, how many rambutans did each friend get?

Answer : _____ [4 m]

45. Peter has 12 pets which consist of birds and hamsters.
All the hamsters have 36 more legs than all the birds.
How many of his pets are birds?

Answer : _____ [4 m]

--- END OF PAPER ---
Have you checked your work?

**Rosyth Primary School
Primary 3 SA2 Maths Exam (2007)**

Answer Keys

- | | | | | |
|-------|-------|-------|-------|-------|
| 1) 3 | 2) 2 | 3) 4 | 4) 2 | 5) 3 |
| 6) 1 | 7) 4 | 8) 4 | 9) 3 | 10) 4 |
| 11) 4 | 12) 1 | 13) 2 | 14) 4 | 15) 1 |
| 16) 2 | 17) 3 | 18) 3 | 19) 1 | 20) 4 |

21. 1820

22. 5

23. \$37.20

24. 8 twenty cents

25. 8ℓ 115mℓ

26. $\frac{7}{15}$

27. 64cm²

28. 256mins

29. 5

30. 1134

31. 4

32. 1983

33. \$2.90

34. 216cm

35. 7

36. 20cm

37. 66

38. 856

39. 85 boys

40. 240 pencils

41) a) Number of yellow buttons $\rightarrow 68 + 32 = 100$ buttons.
There are 100 yellow buttons.

b) $100 + 68 = 168$ buttons.
There are 168 buttons in the box altogether.

42) Number of boys $\rightarrow 40 \div 2 = 20$ boys

Number of girls $\rightarrow 40 \div 2 = 20$ girls

Number of cookies that the girls ate $\rightarrow 20 \times 4 = 80$
cookies

The girls ate 80 cookies.

Number of cookies that the boys ate $\rightarrow 20 \times 3 = 60$ cookies

The boys ate 60 cookies.

Number of cookies that the children ate $\rightarrow 80 + 60 = 140$
cookies

The children ate 140 cookies altogether.

43) a) Number of boys $\rightarrow 200 - 56 = 144$ boys

There were 144 boys.

b) Number of adults $= 1200 + 1144 = 2344$

$5100 - 2344 = 2756$

There were 2756 adults.

44) $66 \times 10 = 660$ rambutans

$660 \div 6 = 110$ rambutans

Each friend gets 110 rambutans.

45) 2 of his pets are birds.