

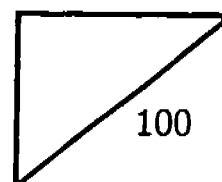


SA2

Rosyth School  
Second Semestral Assessment 2005  
Mathematics  
Primary 4

Name: \_\_\_\_\_

Total



Class: Pr 4-\_\_\_\_\_ Register No. \_\_\_\_\_ Duration: 1h 45 min

Date: 26 Oct 2005

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 16 pages altogether.





8. Which one of the following fractions is the largest?

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

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

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

(4)  $\frac{7}{12}$

The table below shows the number of animals on ~~three~~ farms. Study the table carefully and answer questions 9 and 10.

	Farm A	Farm B	Farm C	Farm D
Chickens	46	27	11	24
Geese	36	74	22	41
Cows	67	23	?	12
Sheep	49	87	44	16
Total	198	211	100	93

9. How many cows are there in Farm C?

(1) 23

(2) 33

(3) 67

(4) 77

10. Which farm has the most number of animals?

(1) Farm A

(2) Farm B

(3) Farm C

(4) Farm D

11. 4 m of cloth is needed to make 2 identical shirts. How much cloth is needed to make 5 shirts?

(1) 6 m

(2) 8 m

(3) 10 m

(4) 12 m

12. A rectangular tank with a base of 4 cm by 6 cm contains  $168 \text{ cm}^3$  of water. What is the height of the water in the container?

(1) 6 cm

(2) 7 cm

(3) 8 cm

(4) 9 cm

13. Ben spent  $\frac{1}{4}$  of his money on food,  $\frac{2}{3}$  of the remainder on a book and saved the rest. What fraction of his money did he save?

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

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

(3)  $\frac{1}{7}$

(4)  $\frac{1}{12}$

14. Express 4.36 as a mixed number in its lowest term.

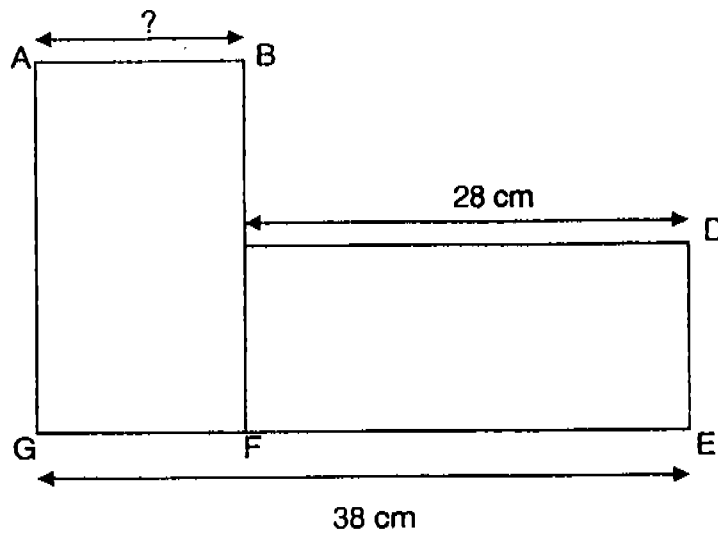
(1)  $4\frac{3}{8}$

(2)  $4\frac{9}{25}$

(3)  $4\frac{18}{50}$

(4)  $4\frac{36}{100}$

15. The figure below is made up of two rectangles. Find the length of AB.

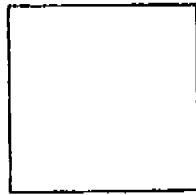


- (1) 10 cm                      (2) 28 cm  
(3) 38 cm                      (4) 66 cm
16. 1 eraser cost as much as 4 pencils. Amanda paid \$1.60 for 1 eraser and 4 pencils. Find the cost of 1 pencil.

- (1) 16 ¢                      (2) 20 ¢  
(3) 32 ¢                      (4) 40 ¢

17. I am a 4-sided figure .I have 2 pairs of parallel lines and I do not have any right angles. Which one of the following figures describes me?

(1)



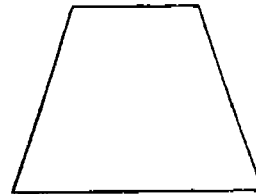
(2)



(3)



(4)



18. A number is a factor of 72. It is also a multiple of 8. What is the number?

(1) 12

(2) 18

(3) 24

(4) 36

19. Matthew bought 6 packets of oranges at \$8.40. What was the cost of each packet of oranges?

(1) \$0.40

(2) \$1.04

(3) \$1.40

(4) \$14.00

20. Ryan earns \$1 240 a month. He spends \$850 each month and saves the rest. How much does he save in a year?

(1) \$390

(2) \$410

(3) \$4 680

(4) \$4 920

**Section B (40 marks)**

For each question, show your working clearly in the space below each question and write your answer in the answer boxes provided. Give your answers in the units stated. Questions 21 to 40 carry 2 marks each.

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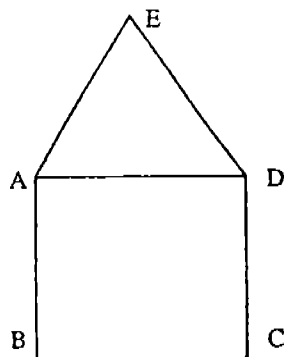
21. Find the sum of 77 thousands, 77 hundreds and 77 tens.

22. 100 g of biscuits cost \$1.20. What is the cost of 500 g of biscuits?

23.  $23\ 450 = 23\ 000 + \square + 50.$

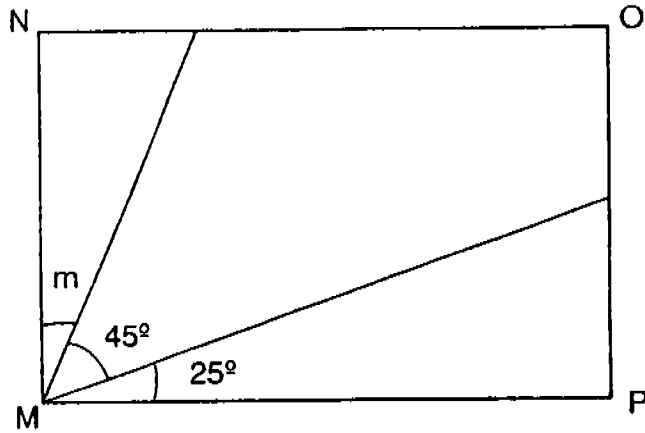
Find the missing number in the box.

24. A piece of wire 24m long is bent into the following shape. ABCD is a square and ADE is an equilateral triangle. What is the length of AE?





25. The figure below is not drawn to scale. MNOP is a rectangle. Find  $\angle m$ .



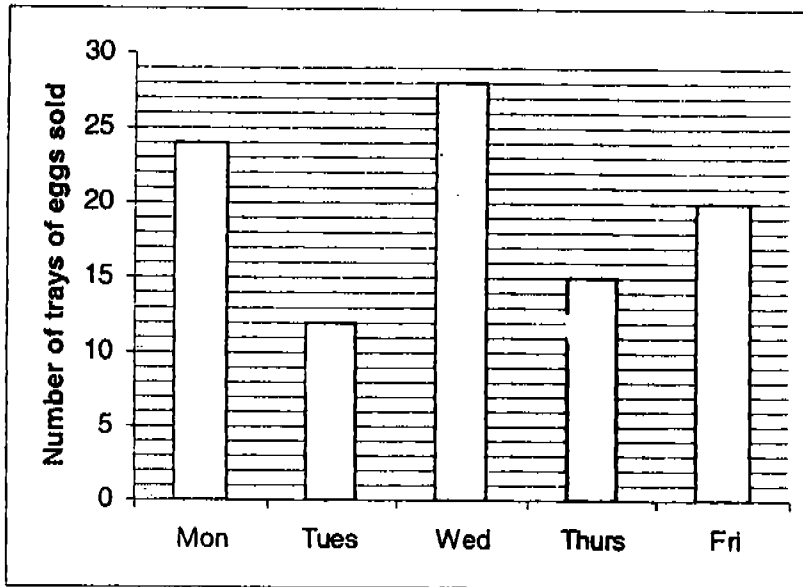

26. The height of a pole is 5.34 m. Round off the height of the pole to the nearest 1 decimal place.

27. Express 42 cents as a fraction of \$ 2. Write your answer in its simplest form.

28. A pail can hold 2 400 ml of water. How many litres and millilitres of water can 6 identical pails hold?

(Express your answer in litres and millilitres.)

The bar graph below shows the number of trays of eggs sold by Mr Lim on 5 days. Study the bar graph carefully and answer questions 29 and 30.



29. How many trays of eggs did Mr Lim sell on the 5 days altogether?

30. Mr Lim sold each tray of eggs at the same price. If he earned \$28 on Friday, how much did he sell per tray of eggs?

31. Natalie bought 2 kg 600 g of bananas and 450 g of grapes. What was the total mass of the fruits she bought? (Express your answer in kg and g)

32. Jolene had 2 928 beads. There were twice as many purple beads as green beads. How many green beads did she have?

33. Isaac and Gabriel weigh 80 kg. Isaac weighs 4 kg less than than Gabriel. Find Isaac's body mass in kilograms.

 kg

34. There are 90 apples, oranges and pears.  $\frac{2}{5}$  of the fruits are apples, 14 are oranges and the rest are pears. How many pears are there?

35. Ernest bought 12 cans of orange juice. 3 cans of orange juice cost \$1.90. How much did he pay for the 12 cans of orange juice?

 \$

36. A pen costs \$1.20 and a pencil costs \$0.35. What is the total cost if Maria bought 2 pens and 3 pencils?

 \$

37. The length of the football field is three times as long as its breadth. Its perimeter is 3.2 m. Find the breadth of the football field.

38. A rectangular garden measures 30.5 m by 20.8 m. The cost of fencing is \$9 per metre. How much must Mr Tan pay if he wants to fence the 4 sides of the garden?

39. Kenny poured 6 l 400 ml of coca-cola equally into 8 identical cups. How much coca-cola was in each cup?  
(Express your answer in millilitres.)

40. What is the greatest 4-digit even number that can be formed using all the digits 3, 0, 1 and 8?

**Section C (20 marks)**

For questions 41 to 45, show your working clearly in the space below each question and write your answer in the spaces provided. The marks for each question are given in the brackets.

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41. Neville had 120m of wire. He used all of it to form a rectangle. The length was twice as long as its breadth. Find the area of the rectangle.

Answer: \_\_\_\_\_ (4 marks)

42. Lewin took  $\frac{1}{3}$  of a day to make a wooden stool. His brother took  $\frac{3}{4}$  of the time Lewin took to make an identical wooden stool. How much faster did

Lewin's brother take than him to make the wooden stool?

(Take 1 day = 24 hours)

Answer: \_\_\_\_\_ (4 marks)

43. Container A has 4 times as much water as container B.

Andrea adds 0.9 ℓ of water to container A and 2.4 ℓ of water to container B.

The two containers now have the same amount of water. Find the total amount of water in the two containers after the water has been added.

Answer: \_\_\_\_\_ (4 marks)

44. Joshua, David and Lemuel have some marbles.

Joshua has 25 marbles more than David.

Joshua and David have 85 marbles more than Lemuel.

If David had three times as many marbles as Lemuel, how many marbles does Joshua have?

Answer: \_\_\_\_\_ (4 marks)



45. Maxine bought a huge bag of flour.

She used an equal amount of flour to bake cookies each day.

After 6 days, she had  $\frac{2}{3}$  of the flour left.

After another 7 days, she had 40 kg of flour left.

How much flour did she buy?

Answer: \_\_\_\_\_ (4 marks)

END OF PAPER

SA2

ROSYTH SCHOOL  
SECOND SEMESTRAL ASSESSMENT 2005  
MATHEMATICS  
PRIMARY FOUR

- |            |                        |
|------------|------------------------|
| 1) 4       | 28) 14 litres 400 ml   |
| 2) 4       | 29) 99 trays of eggs   |
| 3) 1       | 30) \$ 1.40            |
| 4) 3       | 31) 3 kg 50 g          |
| 5) 2       | 32) 976 green beads    |
| 6) 3       | 32) 38                 |
| 7) 2       | 34) 40 pears           |
| 8) 3       | 35) \$ 7.60            |
| 9) 1       | 36) \$ 3.45            |
| 10) 2      | 37) 0.4 m              |
| 11) 3      | 38) \$ 923.40          |
| 12) 2      | 39) 800 ml             |
| 13) 2      | 40) 8310               |
| 14) 2      | 41) 800 m <sup>2</sup> |
| 15) 1      | 42) 2 hours            |
| 16) 2      | 43) 5.8 litres         |
| 17) 3      | 44) 61 marbles         |
| 18) 3      | 45) 144 kg             |
| 19) 3      |                        |
| 20) 3      |                        |
| 21) 85470  |                        |
| 22) 6      |                        |
| 23) 400    |                        |
| 24) 4      |                        |
| 25) 20     |                        |
| 26) 5.3    |                        |
| 27) 21/100 |                        |

57  
KNOV