

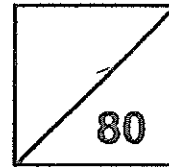


Rosyth School

Second Semestral Assessment 2014

Mathematics

Primary 3



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

Class: Pr. 3 - \_\_\_\_\_ Register No.: \_\_\_\_\_

Duration: 1h 45 min

Date: 28 October 2014

Parent's Signature: \_\_\_\_\_

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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 15 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).
5. ANSWER ALL THE QUESTIONS.

|           | Maximum | Marks Obtained |
|-----------|---------|----------------|
| Section A | 25      |                |
| Section B | 35      |                |
| Section C | 20      |                |
| Total     | 100     |                |

This paper consists of 19 pages altogether, including the cover page.

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**Section A ( 25 marks )**

For questions 1 to 15, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals (1, 2, 3 or 4) onto the Optical Answer Sheet provided. Questions 1 to 5 carries 1 mark each. Questions 6 to 15 carries 2 marks each.

1. In 6 841, the digit 4 is in the \_\_\_\_\_ place.

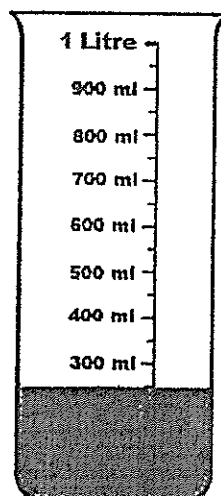
- (1) ones
- (2) tens
- (3) hundreds
- (4) thousands

2.  $6 \times 3 = 9 \times \square$

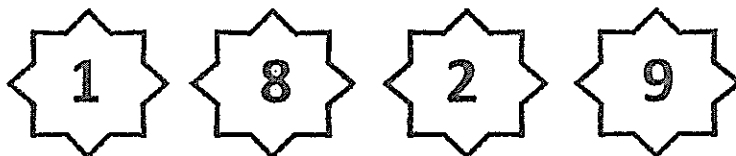
- (1) 1
- (2) 2
- (3) 9
- (4) 18

3. What is the volume of water in the measuring cylinder?

- (1) 50 ml
- (2) 225 ml
- (3) 250 ml
- (4) 350 ml



4. \$4.35 is \_\_\_\_\_ more than \$2.95.
- (1) \$1.40
  - (2) \$2.60
  - (3) \$6.25
  - (4) \$7.30
5. Express 3 thousands and 12 tens in numerals.
- (1) 312
  - (2) 3 012
  - (3) 3 102
  - (4) 3 120
6. Subtract 39 tens from 62 hundreds. The answer is \_\_\_\_\_.
- (1) 23
  - (2) 230
  - (3) 5 810
  - (4) 6 161
7. Form the largest 4-digit even number using the following digits.



- (1) 8 912
- (2) 9 218
- (3) 9 812
- (4) 9 821

8. What must be added to 1 500 to make 3 200?
- (1) 700
  - (2) 1 700
  - (3) 2 700
  - (4) 4 700
9. What is the product of 534 and 6?
- (1) 89
  - (2) 540
  - (3) 3 084
  - (4) 3 204
10. What is the remainder when 763 is divided by 3?
- (1) 1
  - (2) 2
  - (3) 3
  - (4) 0
11. The height of a Primary 3 pupil is about \_\_\_\_\_.
- (1) 13 cm
  - (2) 13 m
  - (3) 130 cm
  - (4) 130 m

12. Which one of the following fractions has the smallest value?

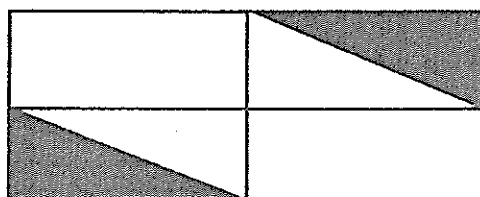
(1)  $\frac{3}{5}$

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

(3)  $\frac{2}{7}$

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

13. What fraction of the figure is NOT shaded?



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

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

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

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

14. Jensen collected 138 seashells from the beach. He collected 6 times as many seashells as Farah. How many seashells did Farah collect from the beach?

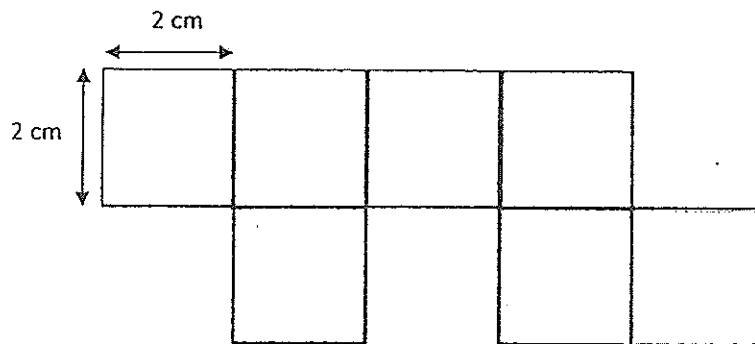
(1) 23

(2) 132

(3) 144

(4) 828

15. The figure below is made up of identical 2-cm squares. Find the area of the figure.



- (1)  $7 \text{ cm}^2$
- (2)  $14 \text{ cm}^2$
- (3)  $28 \text{ cm}^2$
- (4)  $32 \text{ cm}^2$

Section B (20 marks)

For questions 16 to 35, show your working clearly in the space below each question and write your answer in the answer spaces provided. Give your answers in the units stated. Questions 16 to 20 carries 1 mark each. Questions 21 to 35 carries 2 marks each.

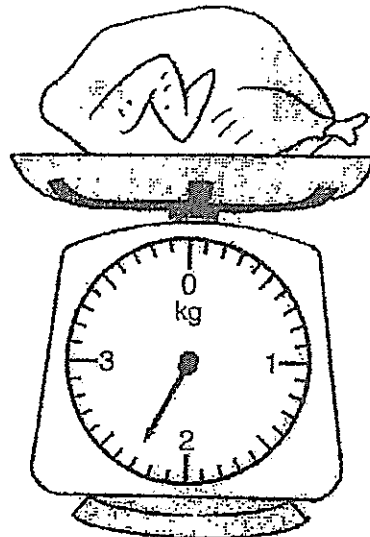
16. Find the difference between 9 483 and 3 456.

Answer: \_\_\_\_\_

17. There are \_\_\_\_\_ twenty-cent coins in \$5.

Answer: \_\_\_\_\_

18. What is the mass of the chicken? Express your answer in grams.



Answer: \_\_\_\_\_ g

19. Look at the number pattern below and find the missing number in the box.

3 780 , 
 3 980 , 
 ? , 
 4 380 , 
 4 580

Answer: \_\_\_\_\_

20. Convert 6 014g to kilograms and grams.

Answer: \_\_\_\_\_ kg, \_\_\_\_\_ g

21. Find the value of A and B.

$$\begin{array}{r}
 \begin{array}{cccc}
 6 & 9 & \boxed{B} & 8 \\
 - & 4 & 2 & 1 & 5 \\
 \hline
 2 & 6 & 9 & \boxed{A}
 \end{array}
 \end{array}$$

Answer: A = \_\_\_\_\_

Answer: B = \_\_\_\_\_



22. There are 2 131 people at a carnival.

848 of them are adults and the rest are children.

How many children are there?

Answer: \_\_\_\_\_

23. Arrange the following fractions in order. Begin with the greatest.

$$\frac{5}{6}, \frac{5}{12}, \frac{1}{2}$$

Answer: \_\_\_\_\_  
greatest

24. The difference between  $\frac{8}{9}$  and  $\frac{1}{3}$  is \_\_\_\_\_.  
Leave your answer in the simplest form.

Answer: \_\_\_\_\_

25. There were 4 children who shared a number of sweets.  
Each child received 28 sweets and there were 2 sweets left.  
Find the total number of sweets.

Answer: \_\_\_\_\_

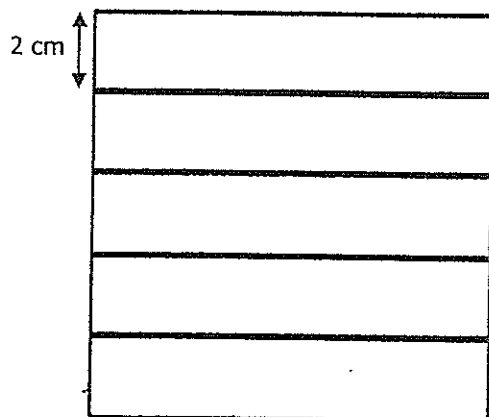
26. A cake was cut into 12 equal slices.  
Amos ate  $\frac{1}{4}$  of it and Siti ate  $\frac{1}{12}$  of it.  
How many slices of the cake did they eat?

Answer: \_\_\_\_\_

27. Andy spent  $\frac{1}{5}$  of his savings on a book and  $\frac{3}{10}$  of it on some stationery.  
What fraction of his savings was left?  
Leave your answer in the simplest form.

Answer: \_\_\_\_\_

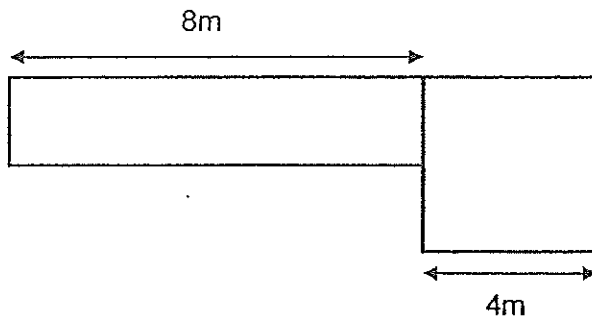
28. The square below is made up of 5 identical rectangles.  
What is the area of the square if the breadth of each rectangle is 2 cm?



Answer: \_\_\_\_\_  $\text{cm}^2$

29. The figure below is made up of a rectangle and a square.

What is the perimeter of the figure?



Answer: \_\_\_\_\_ m

30. Look at the following word carefully and answer the following questions.

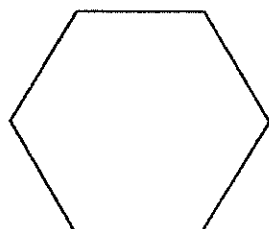
**SMILE**

- a) List all the letters which have parallel lines.  
b) List all the letters which have only one pair of perpendicular lines.

Answer: a) \_\_\_\_\_

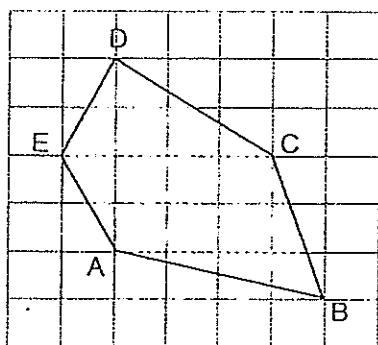
b) \_\_\_\_\_

31. a) How many pairs of parallel lines are there in the figure below?



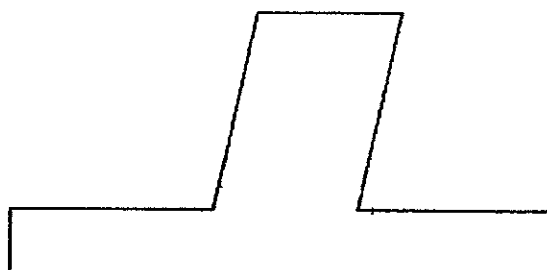
Answer: \_\_\_\_\_

- b) Name the pair of perpendicular lines in this figure.



Answer: \_\_\_\_\_

32. a) The shape below has 8 angles. How many of these angles are bigger than a right angle?



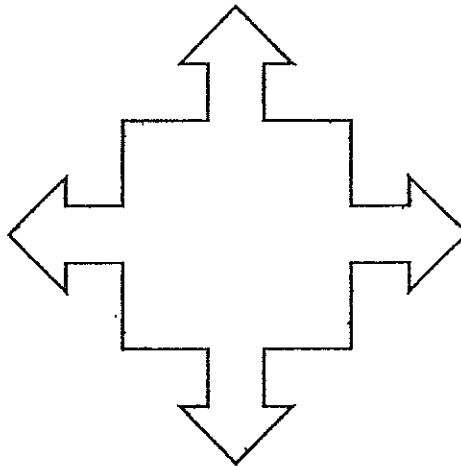
Answer: \_\_\_\_\_

- b) The shape below has 6 angles. How many of these angles are smaller than a right angle?



Answer: \_\_\_\_\_

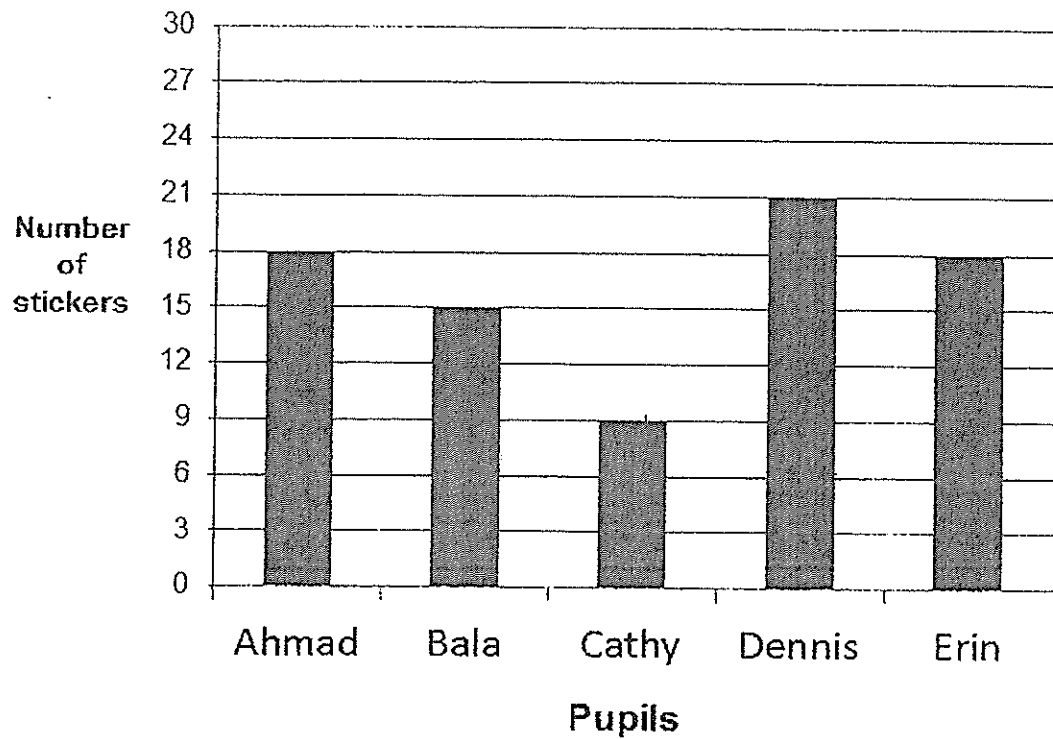
33. How many right angles can you find in the following diagram?



Answer: \_\_\_\_\_

Study the graph below carefully and answer questions 34 and 35.

The bar graph shows the number of stickers each pupil has.



34. What is the total number of stickers the pupils have?

Answer: \_\_\_\_\_

35. Which pupil has half the number of stickers that Erin has?

Answer: \_\_\_\_\_

**Section C (20 marks)**

For questions 36 to 40, show your working and statements clearly in the space below each question and write your answers in the blanks provided. Each question carries 4 marks each.

36. The total cost of a handbag and a wallet is \$980.

The handbag costs 4 times as much as the wallet.

Find the cost of the handbag.

Answer: \_\_\_\_\_ (4m)

37. Mrs Tang had some oranges in her fruit stall.  
She sold 538 of them and bought another 380 oranges.  
In the end, she was left with 453 oranges.  
How many oranges did she have in her fruit stall at first?

Answer: \_\_\_\_\_ (4m)



38. Rachel, Susan and Tracy shared a total of 225 hairclips.

Tracy has 3 times as many hairclips as Susan.

Susan has twice as many hairclips as Rachel.

How many hairclips does Susan have?

Answer: \_\_\_\_\_ (4m)

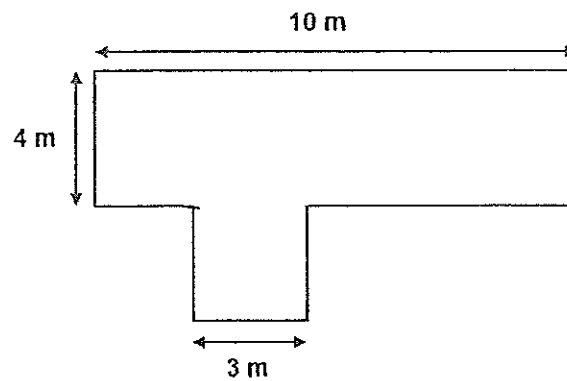
39. James arranged 14 flag poles at an equal distance from one another, in a straight line. The distance between the 1<sup>st</sup> pole and 4<sup>th</sup> pole is 12 m.  
What is the distance from the 1<sup>st</sup> pole to the last pole?

Answer: \_\_\_\_\_ (4m)

40. The figure below is made up of a rectangle and a square.

a) What is the perimeter of the figure?

b) What is the area of the figure?



Answer: a) \_\_\_\_\_ (2m)

b) \_\_\_\_\_ (2m)

**End of Paper**



**EXAM PAPER 2014**

**LEVEL : PRIMARY 3**  
**SCHOOL : ROSYTH SCHOOL**  
**SUBJECT : MATHS**  
**TERM : SA2**

Section A

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

Section B

- Q16 6027  
 Q17 25 twenty-cent coins  
 Q18 2300g  
 Q19 4180  
 Q20 6kg 14g  
 Q21  $A = 3, B = 0$   
 Q22 1283  
 Q23  $\frac{5}{6}, \frac{1}{2}, \frac{5}{12}$   
 Q24  $\frac{5}{9}$   
 Q25 114 sweets  
 Q26 4 slices  
 Q27  $\frac{1}{2}$   
 Q28  $100\text{cm}^2$   
 Q29 32m  
 Q30 (a) E, M  
       (b) L  
 Q31 3 pairs  
 Q32 (a)  $ED \perp DC$   
       (b) 3  
 Q33 8  
 Q34 81  
 Q35 Cathy



Section C

Q36  $\$980 \div 5 = \$196$   
 $\$196 \times 4 = \mathbf{\$784}$

Q37  $453 + 538 = 991$   
 $991 - 380 = \mathbf{611}$

Q38  $225 \div 9 = 25$   
 $25 \times 2 = \mathbf{50}$

Q39  $4 - 1 = 3$   
 $12\text{m} \div 3 = 4\text{m}$   
 $14 - 1 = 13$   
 $13 \times 4\text{m} = \mathbf{52\text{m}}$

Q40 (a) Perimeter =  $(10 + 10 + 4 + 4 + 3 + 3)\text{m} = \mathbf{34\text{m}}$   
(b)  $10\text{m} \times 4\text{m} = 40\text{m}^2$   
 $3\text{m} \times 3\text{m} = 9\text{m}^2$   
 $40\text{m}^2 + 9\text{m}^2 = \mathbf{49\text{m}^2}$

