

Level  
5-7

**KULLEĠĠ SAN BENEDITTU**  
**Boys Secondary School, Kirkop**  
**HALF-YEARLY EXAMINATIONS – FEBRUARY 2012**

FORM 1

**MATHEMATICS**

TIME: 30 mins

**Non Calculator Paper**

Question	1	2	3	4	5	6	7	8	9	10	Total
Max. Mark	4	2	4	2	3	3	1	1	3	2	25
Mark											

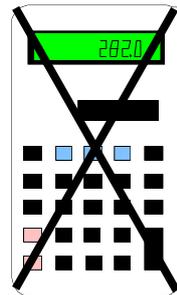
**DO NOT WRITE ABOVE THIS LINE**

**NAME AND SURNAME:** \_\_\_\_\_ **CLASS:** \_\_\_\_\_

**INSTRUCTIONS TO CANDIDATES:**

**Read all the questions carefully before you start answering.**

- Answer all questions.
- This paper carries 25 marks.
- **Calculators, protractors** and other mathematical instruments are **NOT ALLOWED**.
- On your desk you should have nothing except for **pen, pencil, ruler** and the **examination paper**.



1. Draw a circle round all the **multiples of 3**.

16    9    13    40

15    22    94    33

77    41    12    26

(4 marks)

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2. a) Write in **figures**

Five hundred eighty five \_\_\_\_\_

b) Write in **words**

804 \_\_\_\_\_

(2 marks)

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3. Work out:

a)  $736 + 201 =$  \_\_\_\_\_

b)  $196 + 18 =$  \_\_\_\_\_

c)  $648 - 200 =$  \_\_\_\_\_

d)  $915 - 207 =$  \_\_\_\_\_

( 4 marks)

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4. Look at these digits: **2, 1, 3, 4, 5, 7**

a) Use all the digits to make the **largest** number. \_\_\_\_\_

b) Use all the digits to make the **smallest** number. \_\_\_\_\_

(2 marks)

5. Work out:

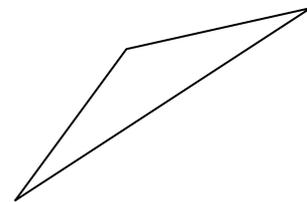
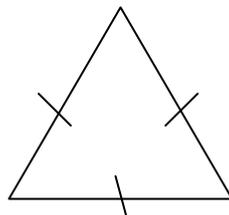
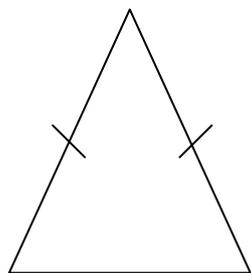
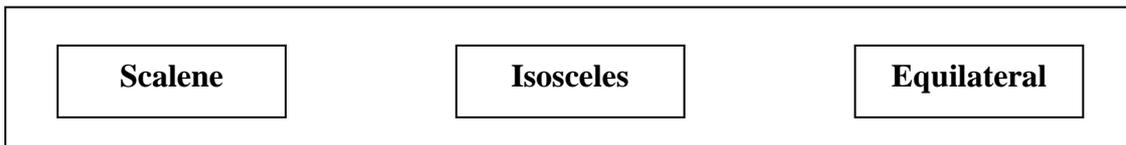
a)  $30 \times 5 =$  \_\_\_\_\_

b)  $3 \times 5 =$  \_\_\_\_\_

c) Now work out  $33 \times 5 =$  \_\_\_\_\_

(3 marks)

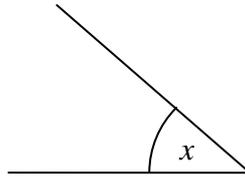
6. Put the correct word under these triangles.



(3 marks)

7. Underline the correct answer:

**Angle  $x$**  is about :    a)  $45^\circ$         b)  $80^\circ$         c)  $20^\circ$         d)  $140^\circ$



(1 mark)

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8. Which fraction is NOT the same as  $\frac{3}{5}$ ?

$\frac{30}{50}$ ,  $\frac{4}{6}$ ,  $\frac{6}{10}$ ,  $\frac{21}{35}$

Ans \_\_\_\_\_

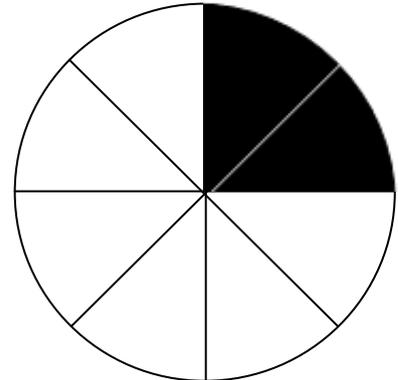
(1 mark)

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9. a) What fraction is **shaded**?

$\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$

b) Use different colour to shade **another**  $\frac{1}{2}$  of the whole shape.



c) What fraction of the whole shape is left **not shaded**?

(3 marks)

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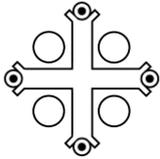
10. Put the following numbers in order, **smallest first**.

6.36cm, 6.3cm, 6.63cm, 5.16cm, 6.06cm

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

(2 marks)

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**Levels**

**5 - 7**

**HALF-YEARLY EXAMINATIONS – FEBRUARY 2012**

**FORM 1**

**MATHEMATICS**

**TIME: 1hr 30mins**

**Main Paper**

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	Main	NC	Global Mark
Max. Mark	2	8	6	8	5	5	11	5	5	6	4	3	7	75	25	100
Mark																

**DO NOT WRITE ABOVE THIS LINE**

**NAME AND SURNAME:** \_\_\_\_\_ **CLASS:** \_\_\_\_\_

**INSTRUCTIONS TO CANDIDATES:**

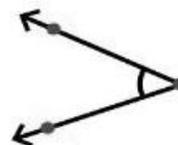
**Read all the questions carefully before you start answering.**

- Answer all questions.
- This paper carries 75 marks.
- Calculators and mathematical instruments are allowed but all necessary working must be shown.

1. Write **acute**, **obtuse**, or **reflex**, under each of the following angles.



\_\_\_\_\_



\_\_\_\_\_

( 2 marks )

2. (a) The value of the digit **2** in the number 2 456 is \_\_\_\_\_ .

(b) The number **thirty five thousand, six hundred, and twenty seven** is written down in words.

In figures it is written down as \_\_\_\_\_ .

(c) Work out :

(i)  $3981 + 2756$

Answer \_\_\_\_\_ .

(ii)  $837 - 193$

Answer \_\_\_\_\_ .

(iii)  $700 \times 9$

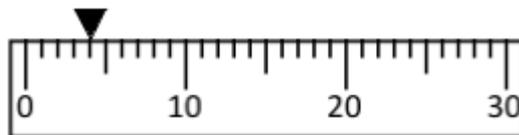
Answer \_\_\_\_\_ .

(d) Put these numbers in order from the **smallest to the largest**.

3974, 7268, 1985, 999, 4900, 5002.

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

(e)



The arrow is pointing at the number \_\_\_\_\_ .

( 8 marks )

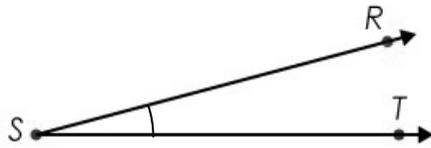
Name: \_\_\_\_\_

Class: \_\_\_\_\_

C

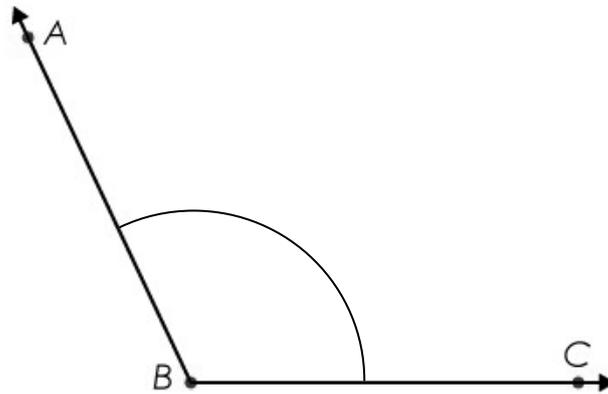
3. (a)

tor.



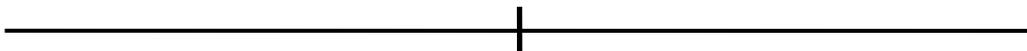
Answer \_\_\_\_\_

(ii)



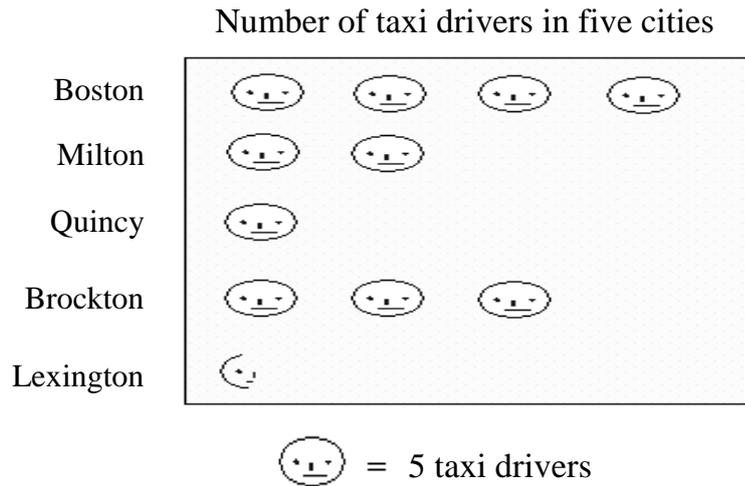
\_\_\_\_\_

(b) Draw an angle of  $65^\circ$  on the line below, and **label** it.



( 6 marks )

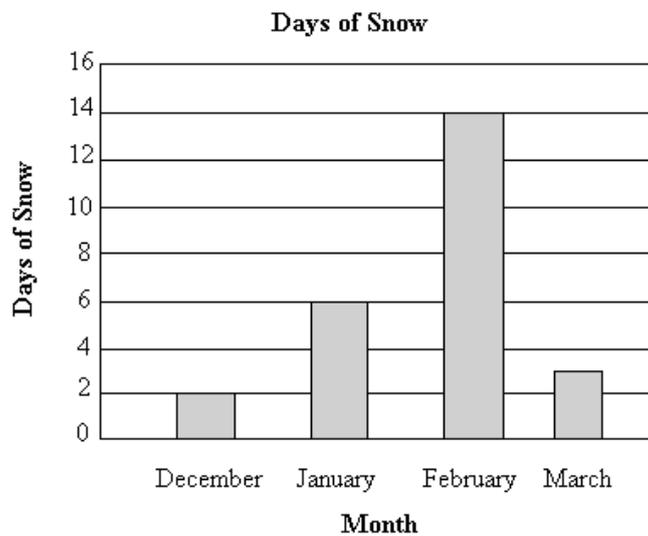
4. (a)



(i) How many taxi drivers are there in **Milton**? Answer \_\_\_\_\_.

(ii) Which city has **twenty** taxi drivers? Answer \_\_\_\_\_.

(b)



(i) How many days did it snow in **January**? Answer \_\_\_\_\_.

(ii) How many days did it snow from **December to March**?

Answer \_\_\_\_\_.

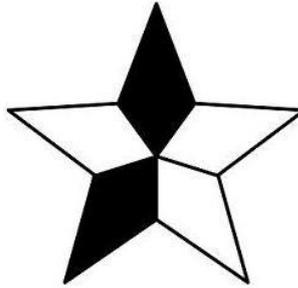
( 8 marks )

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

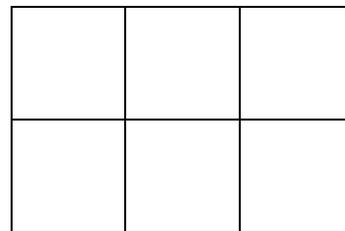
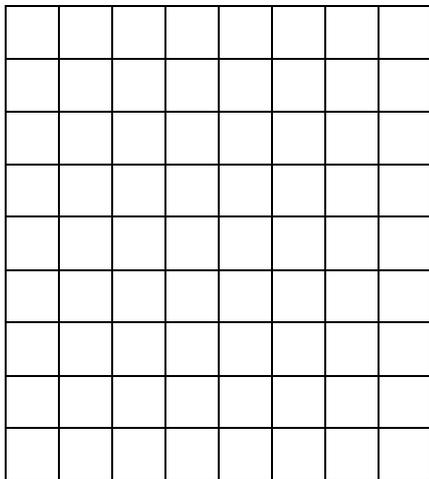
Class: \_\_\_\_\_

C

5. (a) The fraction of this shape covered in **black** is \_\_\_\_\_.

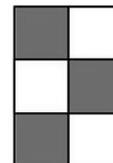


(b) Shade **one-third** of each of the two shapes below.



(c) What **percentage** of this shape is shaded?

Answer \_\_\_\_\_.



( 5 marks )

6. (a) In this set of numbers, what is the **mode**?

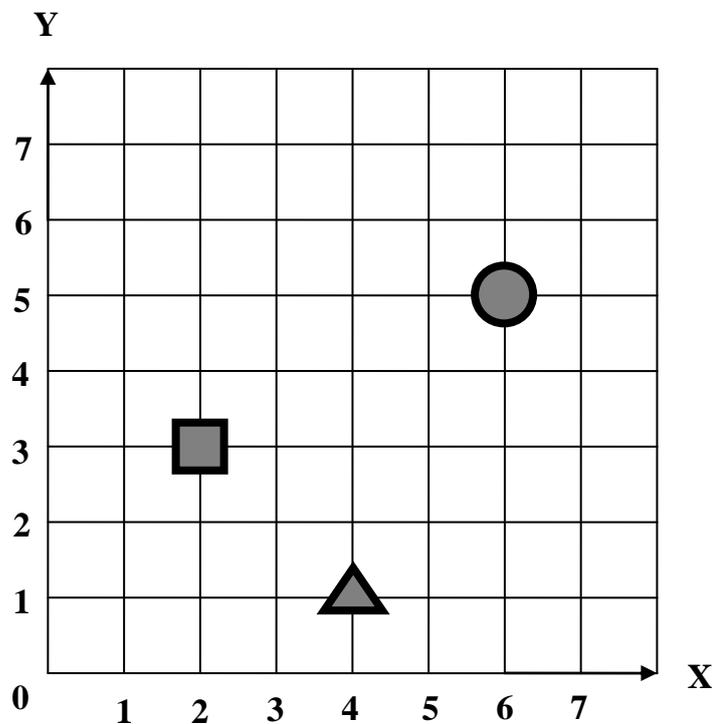
3, 4, 4, 6, 7, 7, 8, 8, 8, 9      Answer \_\_\_\_\_.

(b) Work out the **mean** of the following set of numbers.

7, 18, 22, 34, 40      Answer \_\_\_\_\_.

( 5 marks )

7. (a)



(i) What are the co-ordinates of the position of the **circle**?

Answer ( \_\_ , \_\_ ).

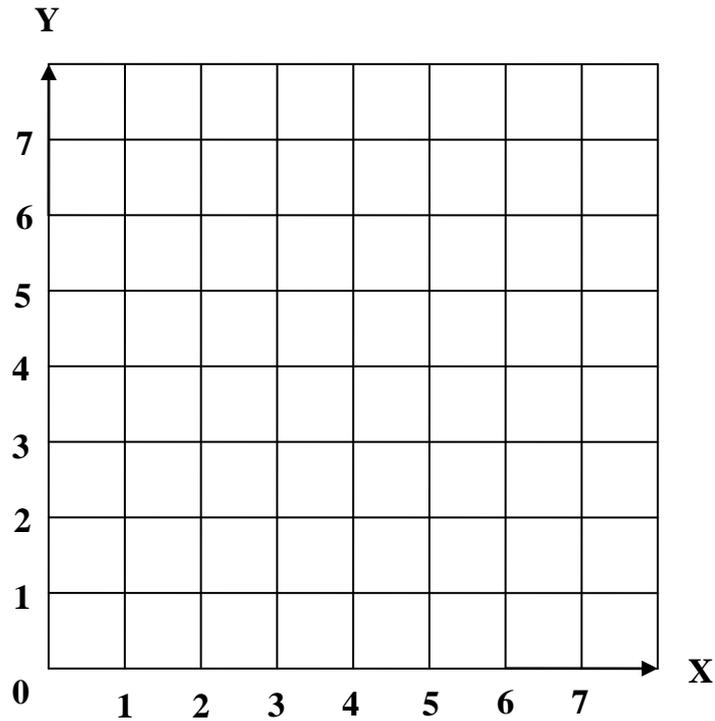
(ii) What are the co-ordinates of the position of the **square**?

Answer ( \_\_ , \_\_ ).

(iii) What are the co-ordinates of the position of the **triangle**?

Answer ( \_\_ , \_\_ ).

(b)



- (i) Plot the point A(2,2) and label it.
- (ii) Plot the point B(4,6) and label it.
- (iii) Plot the point C(7,3) and label it.
- (iv) Join the points ABC. The shape ABC is a \_\_\_\_\_.

( 11 marks )

8. (a) (i) 6.3 rounded to the **nearest whole number** becomes \_\_\_\_\_.
- (ii) €14.58 rounded to the **nearest euro** becomes \_\_\_\_\_.
- (iii) 457 **km** rounded to the **nearest 10km** becomes \_\_\_\_\_.

(b) Fill in the missing LOGO commands for the turtle to draw a **square**.

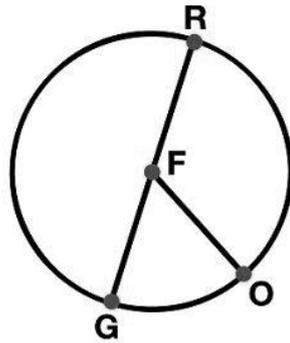
PD REPEAT 4 [ \_\_\_ 60 RT \_\_\_ ]

( 5 marks )

9. (a) Write **TRUE** or **FALSE**.

- (i) This is a set of **even** numbers { 6, 10, 14, 28 } \_\_\_\_\_.
- (ii) 3, 4, and 6 are all **factors** of 12. \_\_\_\_\_.

(b) Fill in the blanks by choosing a word from the following:  
**centre radius diameter.**

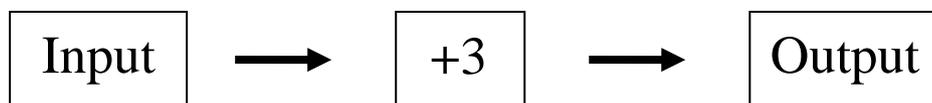


- (i) The point **F** is the \_\_\_\_\_ of the circle.
- (ii) The line **FO** is a \_\_\_\_\_ of the circle.
- (iii) The line **GR** is a \_\_\_\_\_ of the circle.

( 5 marks )

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10. (a) Look at this number machine.



Copy and complete this table.

Input	1	2	3	4	5	10	20
Output							

(b) Here is a table of inputs and outputs of another number machine.

Input	1	2	3	4	5	10	20
Output	2	4	6	8	10	20	40

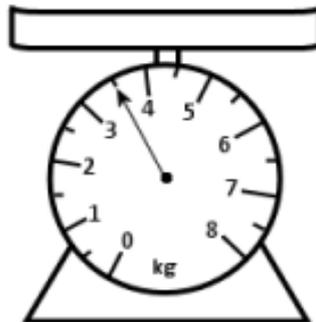
Fill in the empty box to show the **rule** of this number machine.



( 6 marks )

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11. (a) The reading on the scales below is \_\_\_\_\_ Kg.



(b) Arrange the following set of decimal numbers in order, from the **largest to the smallest**.

7.6, 1.4, 3.5, 4.2, 1.8, 3.7      Answer \_\_\_\_\_

(c) Work out: **8.9 + 15.7**

Answer \_\_\_\_\_

( 4 marks )

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12. (a) Draw the line of symmetry of this shape.



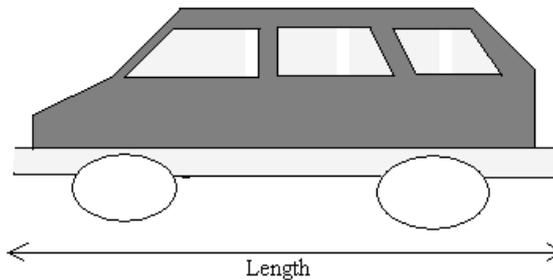
(b) The dotted line is the line of symmetry. Complete the figure.



( 3 marks )

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13. (a) The length of the drawing of this car is \_\_\_\_\_ cm



(b) Melissa buys a 1 litre bottle of shampoo. She uses 25ml each wash. How many times can she wash her hair with each bottle?

Answer \_\_\_\_\_.

(c) 5 kg = \_\_\_\_\_ g

( 7 marks )

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**END OF PAPER**