

KULLEĠĠ SAN BENEDITTU
Boys Secondary School, Kirkop

Levels
5-7

HALF-YEARLY EXAMINATIONS – FEBRUARY 2013

FORM 1

MATHEMATICS Levels 5-7

TIME: 30mins

Non Calculator Paper

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

DO NOT WRITE ABOVE THIS LINE

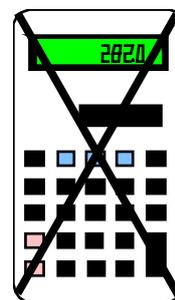
NAME AND SURNAME: _____

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. a) Write in **figures**:

seven thousand, three hundred and six _____

b) Write in **words**:

9,532 _____

(2 marks)

2. Work out:

a) $432 + 387 =$ _____

b) $791 - 478 =$ _____

c) $125 \times 7 =$ _____

d) $16000 \div 100 =$ _____

(4 marks)

3. Fill in:

a) $\frac{1}{5} = \frac{\square}{20}$

b) $\frac{4}{5} = \frac{\square}{10} = \frac{\square}{100} = \square\%$

(5marks)

4. Round the following numbers:

a) €7.89 (to the **nearest whole number of €**) = € _____

b) 37 (to the **nearest 10**) = _____

c) 823 (to the **nearest 100**) = _____

d) 7545 (to the **nearest 1000**) = _____

(4 marks)

5. Put the following numbers in order **starting with the smallest**:

324, 243, 1567, 567, 500

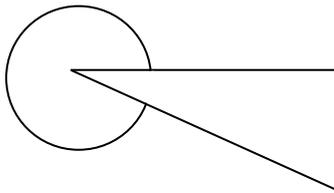
(2 marks)

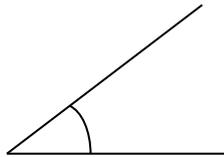
6. Put the following numbers in order **starting with the largest**:

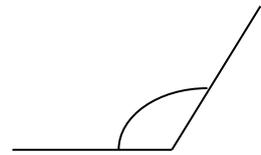
€1.05, €2.30, €1.50, €3.75, €5.00

(2 marks)

7. Write the correct name under each angle. (Choose from **acute**, **obtuse** and **reflex**).



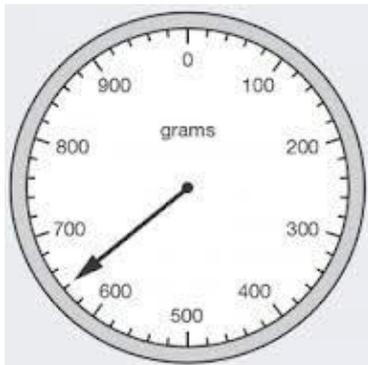




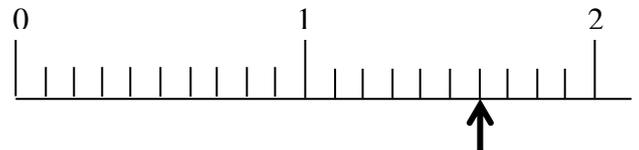
(2 marks)

8. To what number is the arrow pointing to?

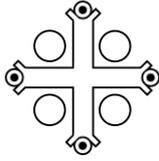
a)



b)



(4 marks)



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HALF-YEARLY EXAMINATIONS – FEBRUARY 2013

FORM 1

MATHEMATICS Levels 5-7

TIME: 1hr

Main Paper

Question	1	2	3	4	5	6	7	8	9	10	11	Main	NC	Global Mark
Max. Mark	7	6	10	6	8	7	5	10	3	7	6	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. a) Give the **value** of the underlined digit.

47.63 = _____

b) Work out:

i) $0.4 \times 10 =$ _____

ii) $400 \div 1000 =$ _____

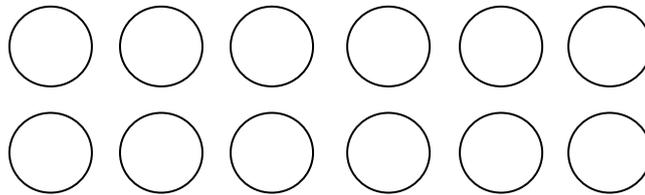
- c) Sarah bought a tin of beans costing 42c
and 2 packets of biscuits at 90c each.
- i) How much money did Sarah spend altogether?



- ii) What change did she receive from €5?

(7 marks)

2. Look at the following sweets.



- a) i) Shade $\frac{1}{2}$ of the sweets as .

ii) What percentage is this? _____%

- b) Shade $\frac{1}{3}$ of the sweets as .

- c) What **fraction** of the sweets is **NOT** shaded?

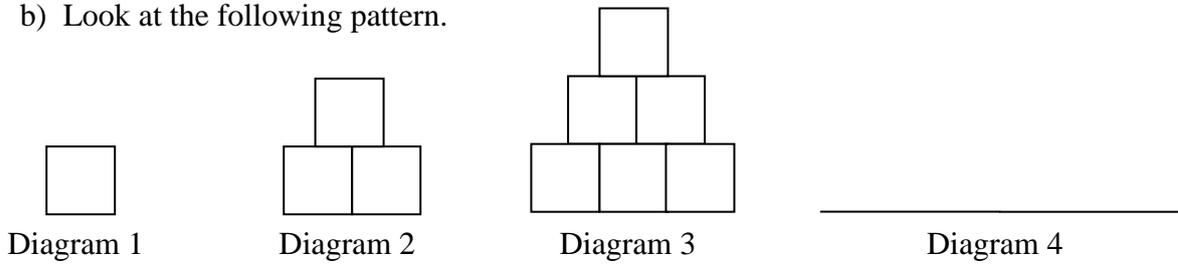
(6 marks)

3. a) Continue these sequences:

i) 65, 55, 45, 35, _____, _____.

ii) 6, 12, 18, 24, _____, _____.

b) Look at the following pattern.



i) Draw the **next diagram**.

ii) Fill in the table:

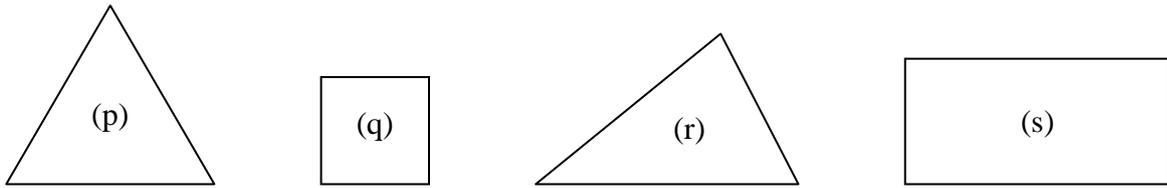
Diagram Number	1	2	3	4	5	7
Number of squares	1	3	6	10		

(10 marks)

4. a) i) Draw a circle of radius 4 cm.

ii) Its diameter is _____ cm long.

4. b) **Match** the shapes with their name.

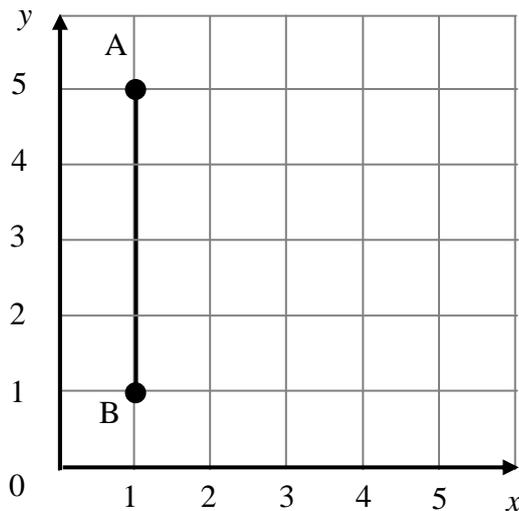


p
q
r
s

rectangle
equilateral triangle
square
Scalene

(6 marks)

5.



a) What are the coordinates of A and B?

A(____,____) **B**(____,____)

b) Plot the points C(4, 1), D(4, 2), E(2, 2) and F(2, 5).

c) Join the points in order from A to F and back to A.

(8 marks)

6. Fill in:

a)

2	→ × 3	6	→ + 1	_____ Answer
7	→ × 3	_____	→ + 1	_____ Answer

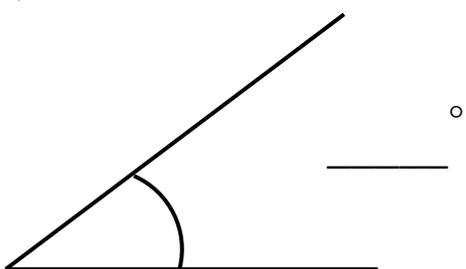
b)

0.22	→ × 10	_____	→ - 1	_____ Answer
5	→ × 10	_____	→ - 1	_____ Answer

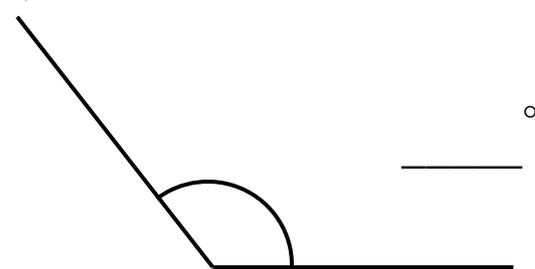
(7 marks)

7. a) **Measure** and write down the size of the following angles.

i)



ii)

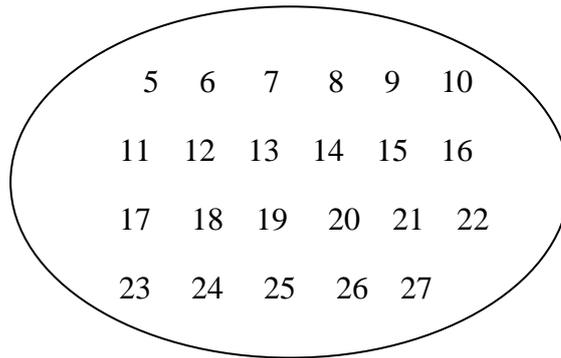


b) Draw and label (i) an angle of 55° and (ii) an angle of 120°



(5 marks)

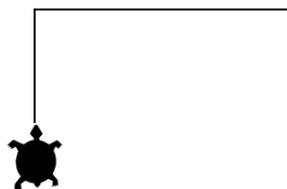
8. Look at the following set of numbers and then answer the questions below.



- a) Write **two factors** of 30 _____
- b) Write **two multiples** of 6 _____
- c) Write **two prime numbers** _____
- d) Write **two square numbers** _____
- e) Write two **odd** numbers which **add** up to 26. _____

(10 marks)

9. John wants to draw the shape below using **LOGO**. The lines measure **40 turtle steps and 80 turtle steps**. (*Turtle is shown in start position*)



Write the next three commands John enters:

PD

(3 marks)

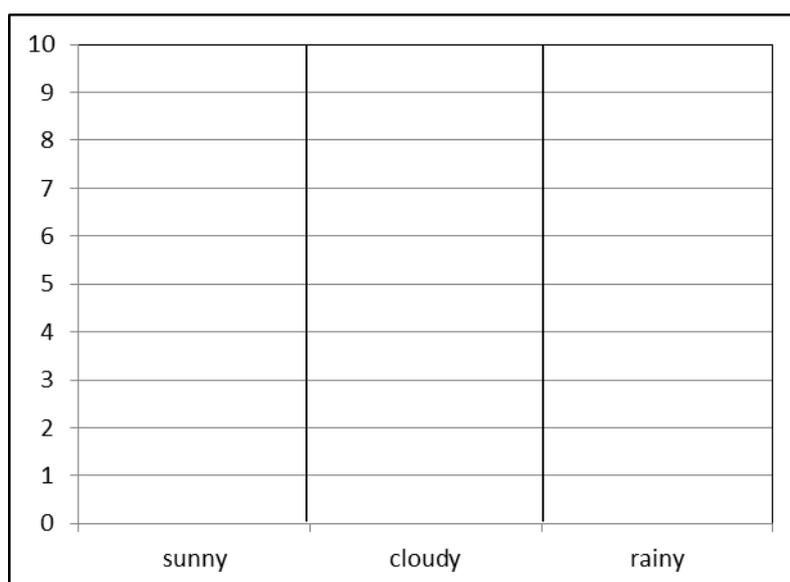
10. Anne recorded the weather for some days in December. Here are her results.

Mon	Tues	Wed	Thur	Fri	Sat	Sun
						
						
						

a) Complete the table below

Type of weather	Tally	Frequency
Sunny 		
Cloudy 		
Rainy 		

b) Complete this **bar chart** which shows the information in the table.



c) Which type of weather was the **most common** during December? _____

(7 marks)

11. These are the weights of ten babies born in a hospital last month.

3.5kg 2.0kg 3.8kg 2.5kg 2.3kg
3.0kg 2.0kg 3.5kg 3.2kg 2.0kg



a) Find the **mean** of their weights.

b) What is the **mode**? _____

(6 marks)

END OF PAPER