

KULLEĠĠ SAN BENEDITTU Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2014/2015

Levels 5-6-7

YEAR 7

MATHEMATICS Level 5 – 6 – 7

Time: 30 mins

Non Calculator Paper

Name: _____

Class: _____

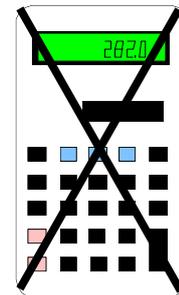
Question	1	2	3	4	5	6	7	8	9	Total
Max. Mark	2	2	2	2	3	3	6	3	2	25
Marks										

DO NOT WRITE ABOVE THIS LINE

INSTRUCTIONS TO CANDIDATES:

Read all the questions carefully before you start answering.

- Answer all questions.
- This paper carries 25 marks.
- **Calculators and protractors are NOT ALLOWED.**



1. Complete the following:-

(a) 7, 10, 13, _____, _____ .

(b) 18, 16, 14, _____, _____ .

(2 marks)

2. Fill in:-

(a) $\frac{1}{2} = \frac{\square}{10}$

(b) $\frac{1}{3} = \frac{\square}{9}$

(2 marks)

3. Work out:-

(a) $6 \times 100 =$ _____ Ans

(b) $3000 \div 100 =$ _____ Ans

(2 marks)

4. Work out:-

(a) $7.25 \times 1000 =$ _____ Ans

(b) $63.7 \div 10 =$ _____ Ans

(2 marks)

5. These are the marks obtained by 6 students in a test:-

8, 4, 4, 7, 9, 10

(a) What is the **mode**?

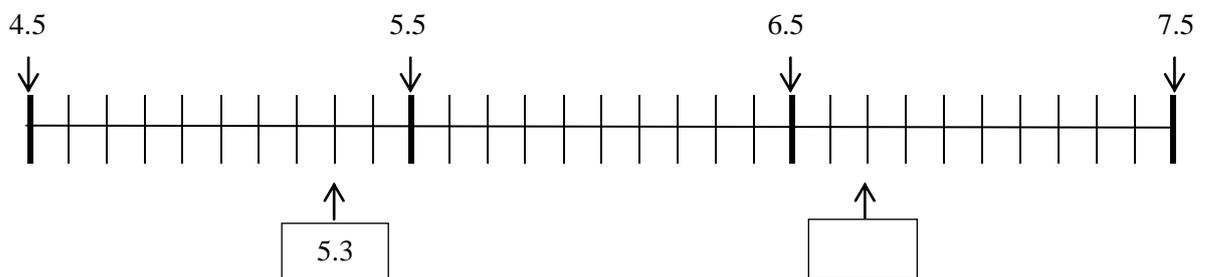
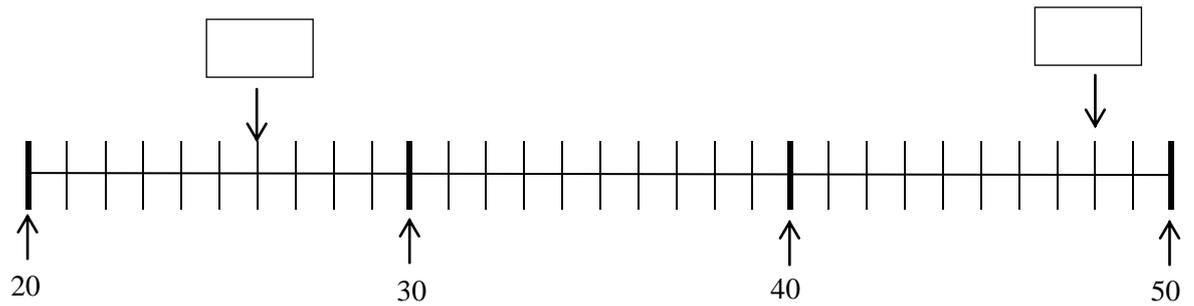
_____ Ans

(b) Work out the **mean**.

_____ Ans

(3 marks)

6. Fill in the missing numbers.



(3 marks)

7. Work out:-

(a) $2.7 + 1.9 =$ _____ Ans

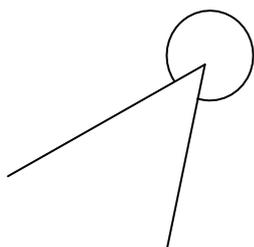
(b) $13.8 - 2.9 =$ _____ Ans

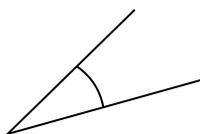
(c) $2.3 \times 5 =$ _____ Ans

(d) $16.4 \div 4 =$ _____ Ans

(6 marks)

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







(3 marks)

9. What is :-

(a) $\frac{1}{2}$ of €60 = €_____ Ans

(b) $\frac{1}{3}$ of 30 kg = _____ kg Ans

(2 marks)

End of Paper

KULLEĠĠ SAN BENEDITTU Secondary School, Kirkop



HALF YEARLY EXAMINATION – 2014/2015

Levels 5-6-7

YEAR 7

MATHEMATICS Levels 5 – 6 – 7

Time: 1 hr 30 mins

Main Paper

Name: _____

Class: _____

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

DO NOT WRITE ABOVE THIS LINE

INSTRUCTIONS TO CANDIDATES

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

1. Write in words:-

(a) 627 _____ Ans

(b) 4053 _____ Ans

(2 marks)

2. From the set of numbers shown:



(a) Write one **even** number _____ Ans

(b) Write one **odd** number _____ Ans

(c) Write one **square** number _____ Ans

(d) Write a **multiple of 4** _____ Ans

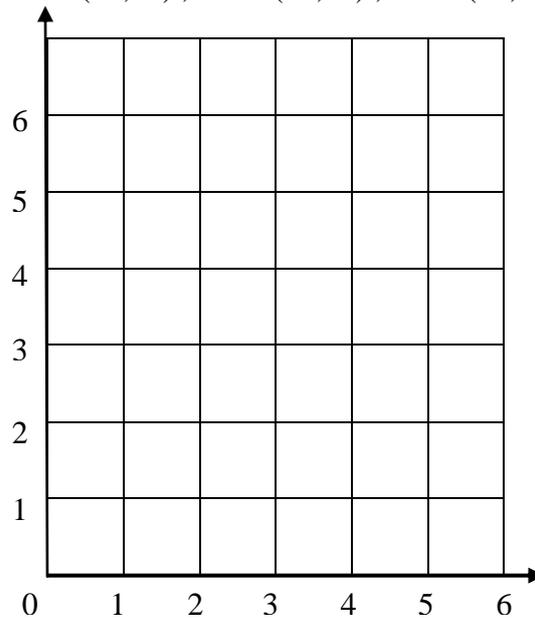
(e) Write a **factor of 12** _____ Ans

(f) Write one **prime** number _____ Ans

(6 marks)

3. Plot these points and join them in **alphabetical** order.

A (2, 0), **B** (0, 3), **C** (2, 6), **D** (4, 6), **E** (6, 3), **F** (4, 0)



(6 marks)

4. (a) One whole revolution is 270° , 360° , 180° , 90° .

(Draw a circle round the correct answer).

(b) Measure the following angles with the protractor.

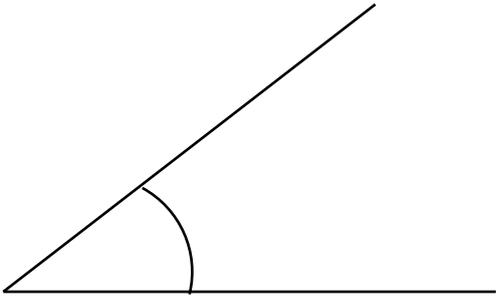
(i)



°

_____ Ans

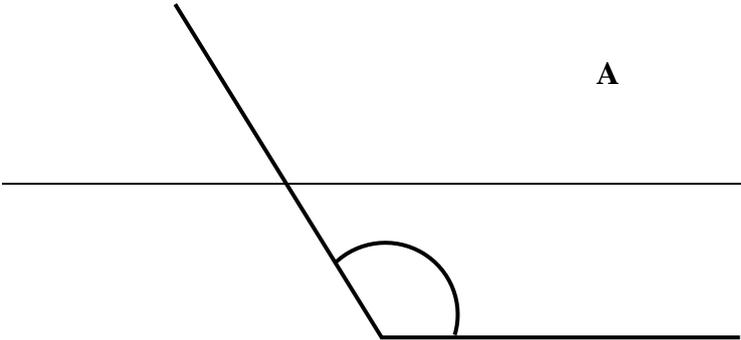
(ii)



°

_____ Ans

(c) At point A draw an angle of 125° .



(5 marks)

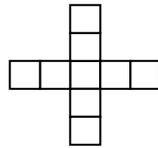
5. Peter is using some squares to make the patterns shown below:-



Pattern 1



Pattern 2



Pattern 3

Pattern 4

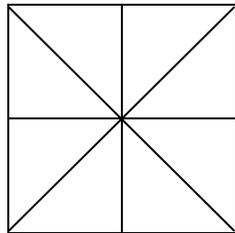
(a) Draw pattern 4.

(b) Complete the table:-

Pattern Number	1	2	3	4	5	6
Number of squares	1	5				

(5 marks)

6. (a) Shade $\frac{1}{4}$ of the diagram:-



(c) What fraction of the diagram is **unshaded** ?

_____ Ans

(b) What is $\frac{1}{4}$ of €8 ?

€ _____ Ans

(4 marks)

7. A class of **20 students** made a list of their favourite pizza:-

Margherita	Peperoni	Capricciosa	Peperoni	Margherita
Peperoni	Margherita	Funghi	Margherita	Funghi
Margherita	Funghi	Margherita	Capricciosa	Peperoni
Peperoni	Capricciosa	Peperoni	Margherita	Capricciosa

(a) Complete this frequency table:-



Pizza	Tally	Frequency
Margherita	++++	
Peperoni		
Funghi		
Capricciosa		

(b) Complete this pictogram:-

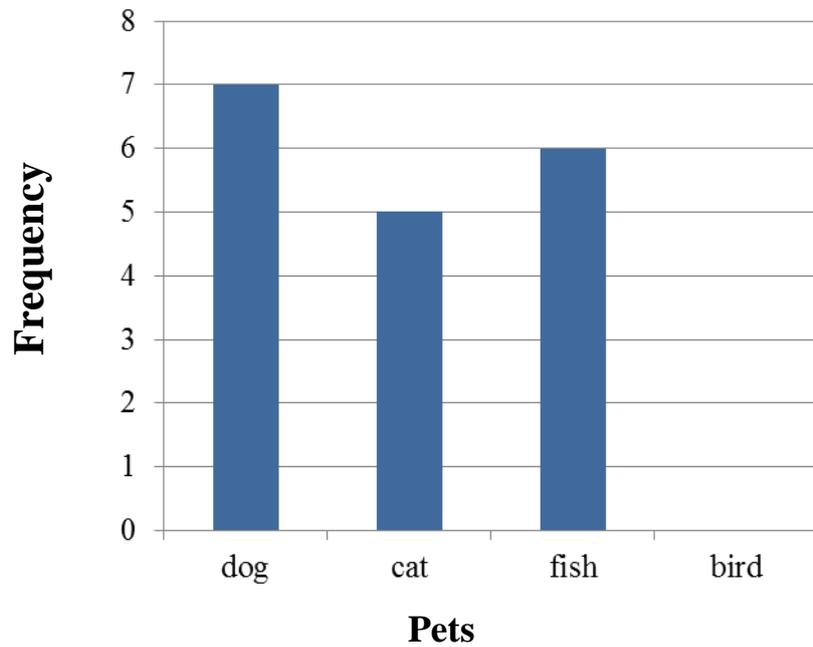
The symbol     represents two pizzas

Pizza	Symbol
Margherita	
Peperoni	
Funghi	
Capricciosa	

(10 marks)

(10 marks)

8. This bar chart shows which pets students have.



(a) There are **three** students who have a bird. Show this on the bar chart.

(b) How many students have a **cat**?

_____ students Ans

(c) How many pets do they have in **all**?

_____ students Ans

(d) Which is the **most popular** pet?

_____ Ans

(e) There are _____ **more** dogs than cats.

(6 marks)

9. (a) John is using LOGO. The turtle is at the starting point and all the lines are equal.

Complete John's commands to draw the diagram.



PD FD 50 LT 90 FD 50 _____

(b) Mary writes the following commands using LOGO.

REPEAT 4[FD 100 RT 90]

Draw the shape that Mary gets. Start from the turtle.



(6 marks)

10. In a school of 300 students, **10%** are absent.

(a) What **percentage** is **not** absent? _____ % Ans

(b) What **number** of students are **not** absent?

_____ students Ans

(c) What **number** of students are absent?

_____ students Ans

(4 marks)

11. **Measure** the following lines:-

(a) (i) A _____ B

Line **AB** = _____ **cm**

(ii) 

Line **CD** = _____ **cm**

(iii) Convert the above answers from **cm** to **mm**

Line **AB** = _____ **mm**

Line **CD** = _____ **mm**

(b) _____ **m** Ans

Convert 150 **centimetres** to **metres**.

(6 marks)

12. (a) Work out a **rough estimate** for :-

$97 \times 51 \approx$ _____ Ans

(b) Use your **calculator** to find the **exact** value of :-

$97 \times 51 =$ _____ Ans

(c) Give your answer to (b) correct to the **nearest 100**

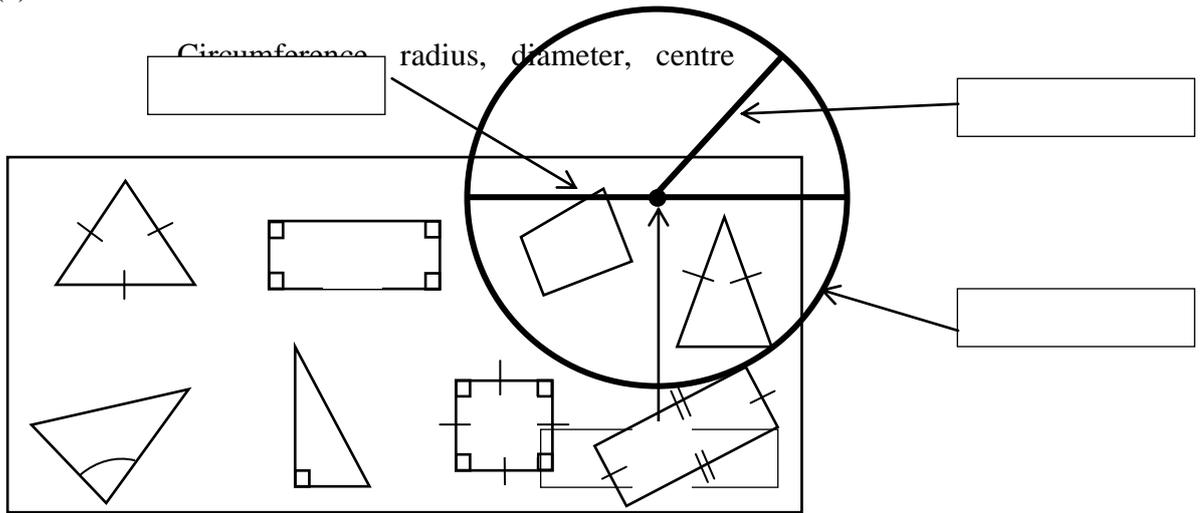
_____ Ans

(d) Give your answer to (b) correct to the **nearest 1000**

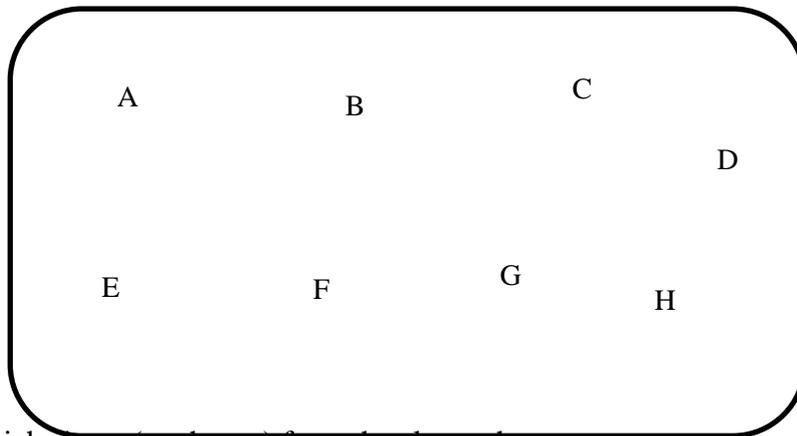
_____ Ans

(5 marks)

13. (a) Fill in with:



(b)



Which shape (or shapes) from the above shows:-

- (i) A square _____ Ans
- (ii) A rectangle _____ Ans
- (iii) An equilateral triangle _____ Ans
- (iv) An isosceles triangle _____ Ans
- (v) A scalene triangle which is not right angled _____ Ans
- (vi) A right angled triangle _____ Ans

(10 marks)

END OF PAPER
