DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION Department for Curriculum Management and eLearning Educational Assessment Unit Annual Examinations for Secondary Schools 2012

LE Column 5-6 TIME: 30 minutes

Question	1	2	3	4	5	6	7	8	Total
Mark									

MATHEMATICS Non Calculator Paper

DO NOT WRITE ABOVE THIS LINE.

Name: _____

FORM 1

Class:

Instructions to Candidates

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





Answer: _____

b) What change does she get from a $\notin 2 \operatorname{coin}$?

Answer: _____

(4 marks)



4.	a)	Match the equivalent fractions . The first one is	s done for you.
		$ \begin{array}{c} \frac{1}{2} \\ \frac{2}{3} \\ \frac{4}{5} \end{array} $ $ \begin{array}{c} \frac{6}{9} \\ \frac{8}{10} \\ \frac{3}{6} \\ \frac{5}{20} \end{array} $	Inty.com
	b)	Work out $\frac{2}{3}$ of $\notin 60$.	
			Answer:
5.	a)	A football match takes $1\frac{1}{2}$ hours. How many minutes does it take?	(4 marks)
			Answer:minutes
	b)	Joseph is 135 centimetres tall. Write this height in metres and centimetres .	
			Answer:mcm
	c)	A carton of fruit juice holds 1500 millilitres . Change this into litres and millilitres .	
			Answer: <i>lml</i>
			(4 marks)



Work out her **mean mark** of these tests.

Answer: _____

(2 marks)

8. What is the **perimeter** of this shape?



Answer: _____cm

(2 marks)

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION Department for Curriculum Management and eLearning **Educational Assessment Unit Annual Examinations for Secondary Schools 2012**

StudentBounty.com FORM 1 **MATHEMATICS Main Paper** Global Total Non Question 2 1 3 4 5 6 7 8 9 10 11 12 13 14 Mark Main Calc Mark

DO NOT WRITE ABOVE THIS LINE.

Name: _____

Class: _____

CALCULATORS ARE ALLOWED BUT ALL NECESSARY WORKING MUST BE SHOWN. **ANSWER ALL QUESTIONS**

- 1. Write in **figures**: a) Three thousand, five hundred and six
 - 6,025 Write in **words**: b)

(2 marks)

2. Put these numbers in order, smallest first. a)

76, 67, 70, 6, 7, 60

_____, ____, ____

Put in **descending** order: $\notin 1.50$, $\notin 2.25$, $\notin 0.80$, $\notin 1.35$ b)

__ , ___

(4 marks)

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The garage is 10 metres long and 4 metres wide and the backyard is 4 metres long and 4 metres wide.

Draw and label a scale drawing of this plan, taking 1 cm for 1 m.

To draw the rectangle and the square accurately, you can use your ruler and set squares, protractor or compasses. Start by drawing the base, then the angles and the other sides.

(8 marks)

4. Complete this table. The first number is ready.

Number	Nearest 100	Nearest 1000
4621	4600	5000
2873		
6244		

(4 marks)



b) Draw the **reflection** of this shape in the mirror line.



Mirror line

(7 marks)



a) Complete the table below to show the number of shapes.

Shapes	Circles	Triangles	Squares
Frequency			

b) Draw a **bar graph** to show the information in the table.



		SE .
Name :		Class :
7.	Melan transp	nie and Kyle are going to an amusement park. They have to pay €1.50 each for port and 50c for each game they play at the park.
	a)	Complete this formula for each child:
		Total Cost in cent (C) = $150 +$ x number of games
	b) i)	Melanie plays 4 games. How much does she spend in cent?
		Answer: C =cent
	ii	i) Write this amount in euro.
		Answer: C = $\underbrace{\mathbf{e}}_{(6 \text{ marks})}$
8.	a)	Place these numbers on the number line. The first one is done for you.
		-2, 1, -3, -1, 2.
		$\begin{vmatrix} & + & + & + & + \\ & -2 & 0 \end{vmatrix}$
	b)	In a supermarket, there are 4 levels above ground level and 2 levels below . 3
		to go to the first level underground .
		0 GROUND LEVEL
		-1 -2
		(5 marks)

9. In this game, I can use the numbers from 1 to 36.

	1	2	3	4	5	6
	7	8	9	10	11	12
1	3	14	15	16	17	18
1	9	20	21	22	23	24
2	25	26	27	28	29	30
	31	32	33	34	35	36



a)	i)	How many even numbers do I have?	Answer:
	ii)	Write 4 even numbers .	Answer:
b)	i)	How many odd numbers do I have?	Answer:
	ii)	Write 4 odd numbers.	Answer:
c)		Write 2 factors of 12 .	Answer:
d)		Write 2 multiples of 8 .	Answer:
e)		Write 2 square numbers less than 20 .	Answer:
f)		Write 2 prime numbers less than 20 .	Answer:

(10 marks)

10. On the grid below:



Mark the following points: (1,2), (5,2) and (5,5). a)

- Mark a fourth point on the grid to make a **rectangle**. b)
- What is the **position** of this point? c)

Answer: (____, ____)

(5 marks)



StudentBounty.com $(0, 0), (1, 2), (2, 4), (3, ___), (___, __).$

Mark the above points on the grid below: b)



Fill in to complete this sentence: c)

The *y* coordinate is ______ the *x* coordinate.

(7 marks)



12. The grid is made up of squares of side 1 cm.



The shaded picture is formed of **three parts**.

a) Two parts are of the same shape. What is the shape?

b) What other shape is used?

c) What is the area of the shaded shape?

(4 marks)



Choose from: $0, \frac{1}{2}, 1.$

a) The first person I see in the street is a man.

- b) My mother is younger than I am.
- c) I get a number less than seven whenever I toss a dice.



cubes





14. How many **cubes** in each diagram?

a)





b)

(2 marks)

_ cubes

END OF PAPER