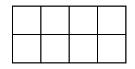
DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION

DIRECTORATE FO Department for Curr Educational Assessn Annual Examination	riculum nent Ui	n Manag nit	gement a	and eLe	arning	IN EDU	ICATIO	oN	Studen.	Pinutos	COL	
FORM 2 MATH Non Calc								TI	TIME: 30 minutes			
Name:							Class	:				
Question	1	2	3	4	5	6	7	8	Total			
Mark												

Instructions to Candidates

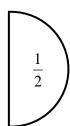
- Answer ALL questions.
- This paper carries a total of 25 marks.
- Calculators and protractors are NOT ALLOWED.

1. a) i) Shade $\frac{1}{4}$ of this diagram.





b) **True** or **False**? Tick (\checkmark) the correct box.









$$\frac{1}{2} + \frac{1}{4} + \frac{1}{5} = 1$$
 whole



(3 marks)

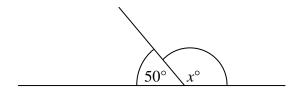
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2. Fill in the blanks:

(3 marks)

3. Work out the following:

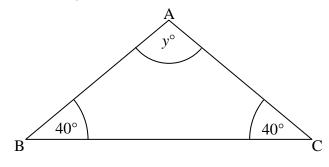
4. a) Work out the value of x.



x = _____

Student Bounty Com

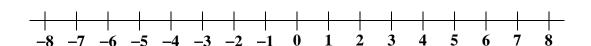
b) Work out the value of y.



y = _____

(4 marks)

5.



Use the above number line to calculate the following:

a)
$$-3 + 5 =$$

b)
$$-8 + 2 =$$

c)
$$5 - 7 =$$

d)
$$-3 - 2 =$$

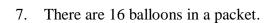
(4 marks)

6. Fill in the blanks:

a)
$$56\% = \frac{28}{100} = \frac{28}{50} = \frac{28}{100}$$

b)
$$\frac{2}{7} + \frac{3}{7} =$$

(3 marks)



Jake takes
$$\frac{1}{4}$$
 of the balloons.

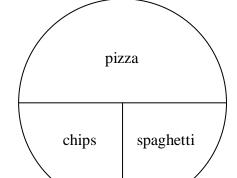


_____ balloons

(2 marks)

8.

This pie chart shows the favourite food of a class of students.



5 students like **chips** best.

a) How many students like pizza?

____ students

b) How many students are there in the class?

_____students

(2 marks)

END OF PAPER

DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION

Department for Curriculum Management and eLearning

Educational Assessment Unit

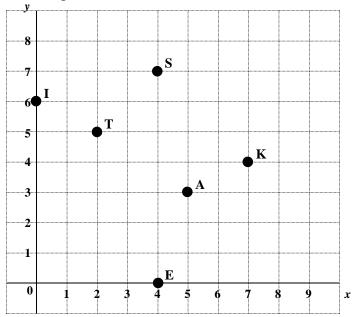
Annual Examinations for Secondary Schools 2013

Le 5-6-

FORM 2					MATHEMATICS Main Paper									TIME: 1h 30min				
Question Mark	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total Main	Non Calc	Global Mark
L					Ι	OO N	TO V	WRI	ТЕ А	BOV	E T	HIS I	LINE	E		II.		II.
Name	e													(Class			

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

1. Write down the letter of the points below, to form a word.

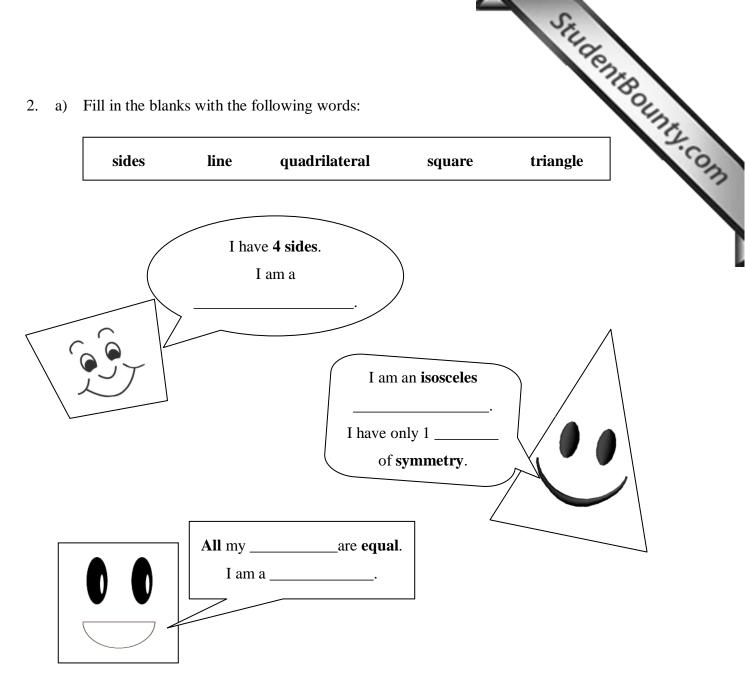


(7,4) (0,6) (2,5) (4,0)

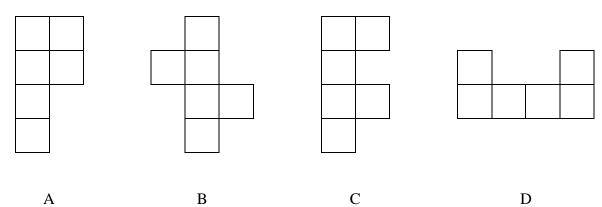
____ <u>I</u> ____

(3 marks)

sides line quadrilateral square



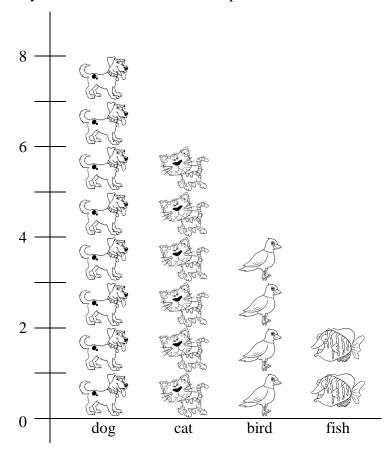
Which of the following drawings is a net that can be folded into a **cube**?



(5 marks)

Name:	

3. Mandy draws a chart to show all the pets of her friends.



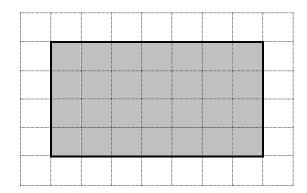
1 picture = 1 pet

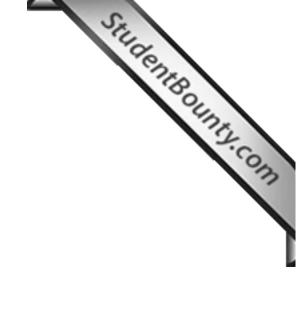
- a) Which is the **most favourite** pet?
- b) How many pets do they have **in all**? _____ pets.
- c) Underline the correct word :
 The probability that one of Mandy's friends has a **fish** is (unlikely, evens, likely).
- d) Express the number of **birds** as a percentage of the total number of pets.

_____%

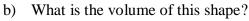
(5 marks)

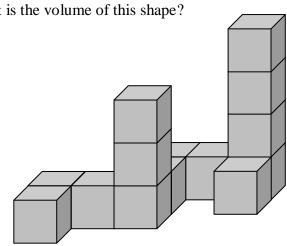
a) Find the **area** of the shaded rectangle. 4.





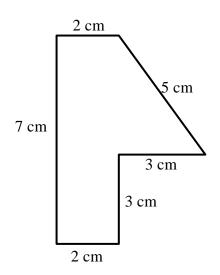
squared units





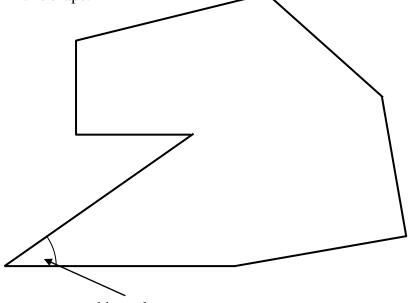
cubic units

Work out the perimeter of this shape.



___ cm

5. a) i) **Mark** a right angle in this shape.



ii) Use your protractor to measure this angle.

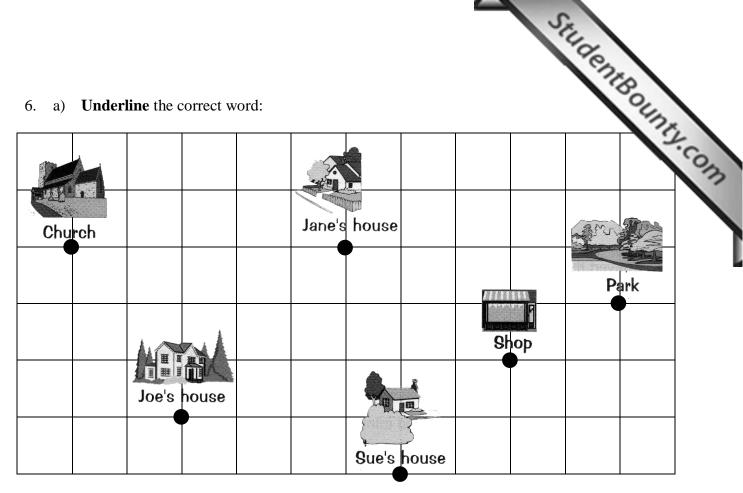
b) i) Use your protractor to **draw** an angle of 70° , at point X.



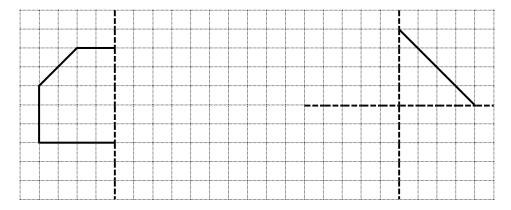
ii) **Underline** the correct word:

The above angle is (an acute, a right, an obtuse) angle.

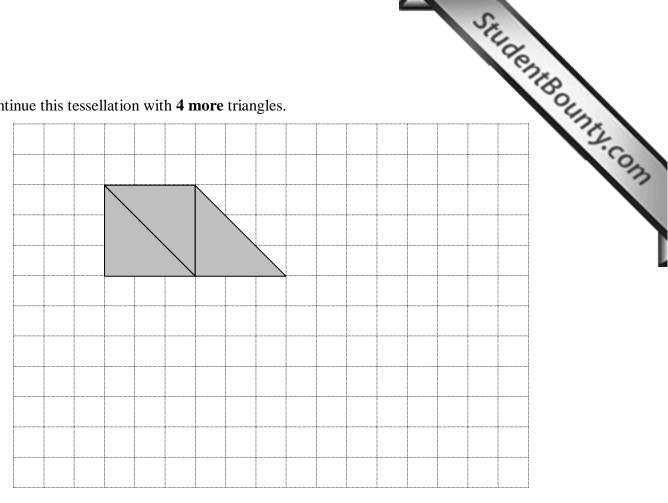
a) **Underline** the correct word: 6.



- i. Jane's house is to the (left, right, North) of the church.
- ii. Sue is at the park. To get to her house Sue has to move 4 units (left, up, right) and 3 units down.
- iii. Joe starts from his house and moves 6 units right and 1 unit up. He arrives at the (church, park, shop).
- **Complete** the following shapes, to make them symmetrical about the dotted lines.



(6 marks)



(2 marks)

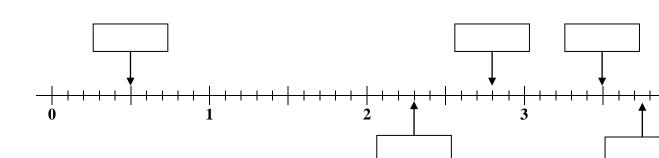
8.



- Draw a circle around a prime number. a)
- Draw a **triangle** around the **largest square number.** b)
- From the above numbers, write down a number that is a **factor of 10**.
- Which of the above numbers is a **multiple of 10**?

(6 marks)

2.8



2.3

- ii) Draw an arrow to show the position of the number 1.55.
- Martina is on the 4th floor, in a lift. She goes **down** 6 floors to the car park. Fill in the number that she presses.

3.5



4) (3) (2) (1) (0) (-1) (-2) (-3)









c)
$$x = y + 6$$

What is the value of x when y = 2?

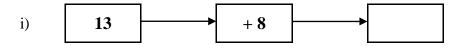
(9 marks)

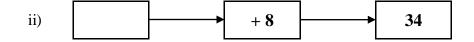
10. a) Fill in the next 2 terms:



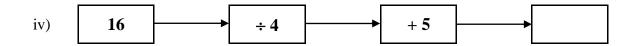


- iii. 10, 8, 6, _____, ____
- b) Fill in the blanks:









(9 marks)

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11. Find the **mean** and **median** of the following marks:

4, 3, 2, 6, 5

Mean = ____

Median = _____

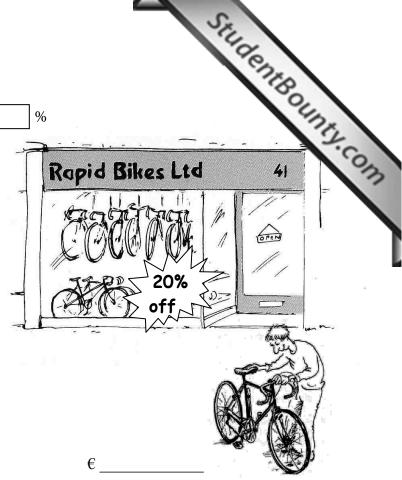
12. a) Fill in the blanks:
$$\frac{9}{20} = \frac{45}{20} = \frac{9}{20}$$

Eric buys a bicycle. b)

The bicycle costs €165.

The shop offers a discount of 20%.

Calculate the discount offered.

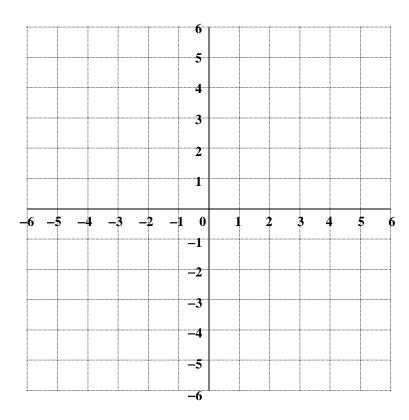


(5 marks)

13. Plot the following points and draw a **straight line**, passing through all the points.

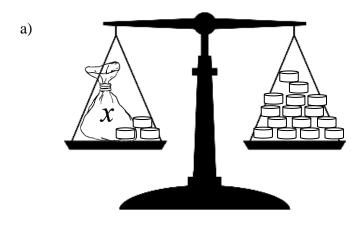
$$B(0, -1)$$

$$C(-2, -5)$$



(3 marks)

14. Find *x*.



$$x + 3 = 15$$



$$3x = 9$$

(4 marks)

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15. Chiara has a recipe for cup cakes for **6 persons**.





a) How many eggs are needed for 12 persons?

	eggs
 	 _~55~

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b) Simplify the **ratio of sugar is to flour**.

sugar: flour

100 : 150

____:__

Chiara makes 20 cupcakes.

She divides them between her brother and sister in the **ratio 3 : 2**.

c) How many cupcakes does she give her sister?



____cup cakes

(6 marks)

END OF PAPER