

KULLEĠĠ SAN BENEDITTU

Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2015/2016

Level CCP

YEAR 8

MATHEMATICS Level CCP

TIME: 30 mins

Non Calculator Paper

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

DO NOT WRITE ABOVE THIS LINE

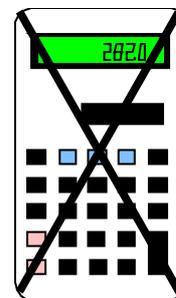
Name: _____

Class: _____

INSTRUCTIONS TO CANDIDATES:

Read all the questions carefully before you start answering.

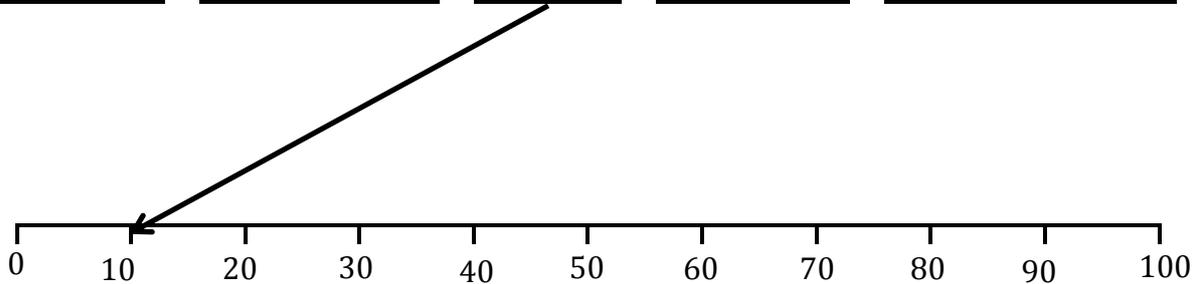
- Answer all questions.
- This paper carries 25 marks.
- Calculators and protractors are **NOT ALLOWED**.



1. Match. One is done for you.

[If necessary, show your working in the space below].

2.5×8	$53.4 + 36.6$	$16 - 6$	$100 \div 2$	$70\,000 \div 1000$
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(4 marks)

2. Fill in:

a) 786 $\xrightarrow{209 \text{ more}}$ $\underline{\hspace{2cm}}$

b) 947 $\xrightarrow{163 \text{ less}}$ $\underline{\hspace{2cm}}$

(4 marks)

3. Underline the correct answer.

a) Four times a right angle = (a point, a straight line, a whole turn).

b) Half a turn = (45° , 90° , 180°).

(2 marks)

4. a) **Name the triangles.** Use the words in the box below.

scalene isosceles equilateral right-angled

- i) I am a triangle with 2 equal sides and 2 equal angles.
_____ triangle
- ii) I am a triangle with all sides and all angles equal.
_____ triangle
- iii) I am a triangle with a 90° angle.
_____ triangle

b) **Underline** the correct answer.

A shape with **four sides** is called a:

(circle, triangle, quadrilateral).

(4 marks)

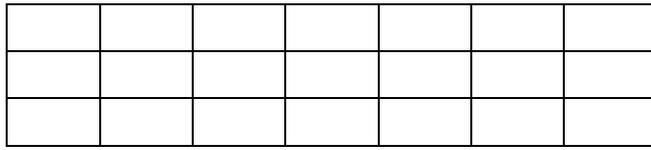
5. Place these numbers or statements under the correct heading.

+8 -7 4 below zero 15 17 above zero

Positive numbers	Negative Numbers
_____	_____
_____	_____
_____	_____

(5 marks)

6. a) **Shade** $\frac{3}{7}$ of this rectangle.



b) **Fill in:**

$$\frac{3}{7} = \frac{\square}{21}$$

(3 marks)

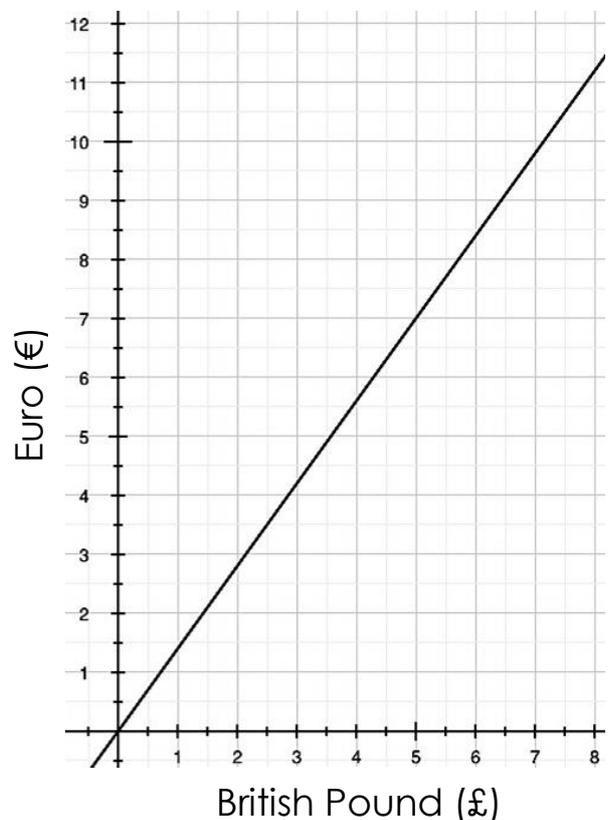
7. This graph changes money from British pound (£) to Euro (€).

£5 is roughly equal to €7

a) **Use the graph** to fill in the blanks:

i) £2.50 = € _____

ii) £ _____ = €10.50

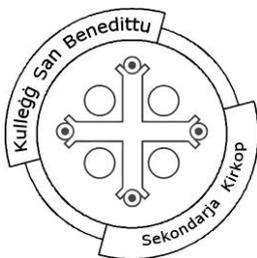


b) **Underline** the correct answer.

£1 is roughly equal to (€1.50, 50 cent, €8).

(3 marks)

END OF NON-CALCULATOR PAPER



KULLEGG SAN BENEDITTU Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2015/2016

Level CCP

YEAR 8

MATHEMATICS Level CCP

TIME: 1 hr

Main Paper

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

DO NOT WRITE ABOVE THIS LINE

Name: _____

Class: _____

**Calculators and protractors are allowed
but all necessary working must be shown.**

1. Round:

a) 83 to the nearest **ten**. _____

b) 694 to the nearest **hundred**. _____

c) 36.5 to the nearest **whole number**. _____

(3 marks)

2. Fill in with +, -, × or ÷.

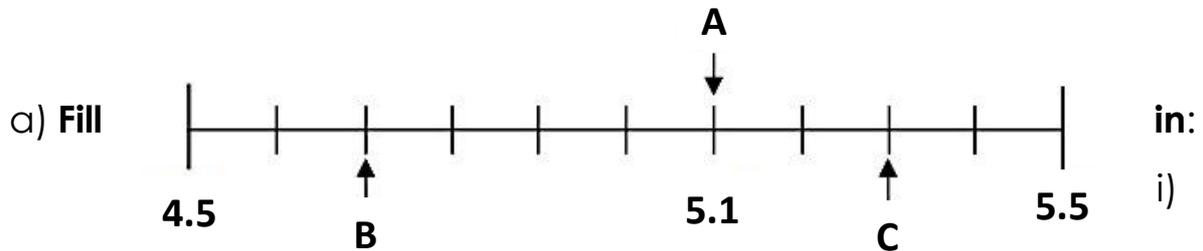
a) $578 \square 526 = 1104$

b) $85 \square 4 = 340$

c) $85 \square 5 = 17$

(6 marks)

3. Arrow **A** points to **5.1** on the number line.



Arrow **B** points to _____.

ii) Arrow **C** points to _____.

b) Work out the **difference** between the numbers **B** and **C**.

(4 marks)

4. Write these numbers in order, from **smallest to biggest**.

3.12, 3.1, 312, 31.2

_____, _____, _____, _____

(3 marks)

5. a) **Simplify** this fraction to its lowest form.

$$\frac{6}{16} = \frac{\boxed{}}{\boxed{}}$$

b) **Work out:**

$$\frac{3}{8} + \frac{2}{8} = \frac{\boxed{}}{\boxed{}}$$

(4 marks)

Name: _____ Class: _____

6. Michael and Karl sell apples.

a) Michael sells apples at **€6 for a 10 kg crate** of apples. Dad buys a crate of apples from Michael. What is the cost of **1 kg of** apples?

_____ cent

b) Karl sells apples at **70 cent per kg**.

Why does Dad prefer to buy apples from Michael and not from Karl?

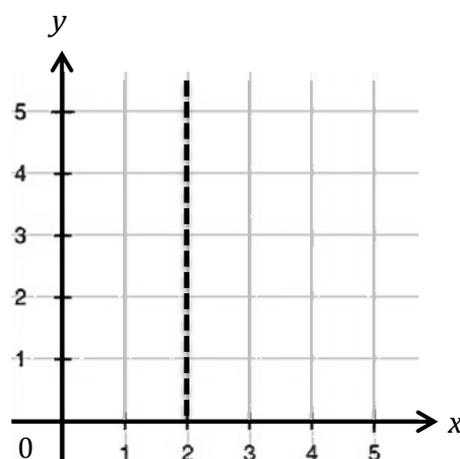
(4 marks)

7. a) i) **Plot** these points on the grid:

$(2, 5), (0, 3), (2, 0)$

ii) **Draw a line** to join all the points.

b) **Reflect** the shape in the dotted line.



c) Tick (✓) the correct answer.

The shape drawn is called a:

rhombus

parallelogram

kite

(8 marks)

8. a) Use the list of numbers to answer the questions. Each number can be used **more than once**.

3 5 6 8 9 10 11 16 21

i) Write down two **even** numbers. _____ and _____

ii) Write down two **factors of 20**. _____ and _____

iii) Write down two **square** numbers. _____ and _____

iv) Write down two **prime** numbers. _____ and _____

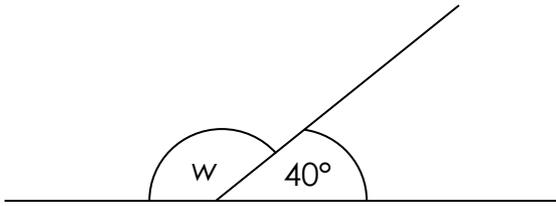
b) Tick (✓) which statement is **True** or **False**.

The first one is done for you.

	True	False
30 is a multiple of 3.	✓	
i) Multiples of 5 end in 5 or 0.		
ii) Multiples of 2 end in 1, 3, 5, 7 or 9.		
iii) There are five even numbers between 9 and 19.		
iv) When you add two odd numbers, the answer is another odd number.		

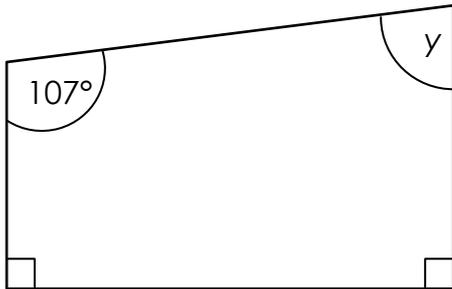
(12 marks)

9. a) Find the value of angle w .



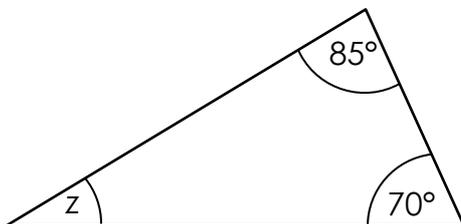
$w = \underline{\hspace{2cm}}$

b) Find the value of angle y .



$y = \underline{\hspace{2cm}}$

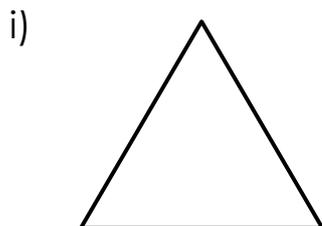
c) Find the value of angle z .



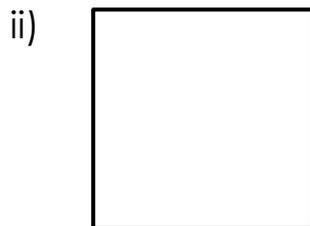
$z = \underline{\hspace{2cm}}$

(8 marks)

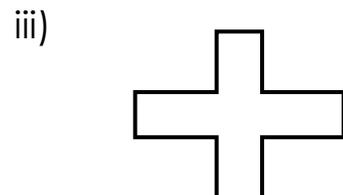
10. a) **Draw** all the line(s) of symmetry.



Equilateral Triangle

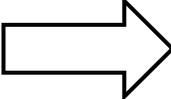
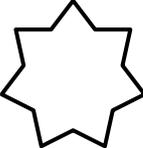


Square



Cross

10. b) Complete this table by ticking (✓) in the correct space.

Shape	Has line(s) of symmetry	Has no lines of symmetry
		
		
		

(9 marks)

11. a) **Underline** the correct answer.

i) 85° is an (acute, right, obtuse) angle.

ii) 157° is an (acute, obtuse, reflex) angle.

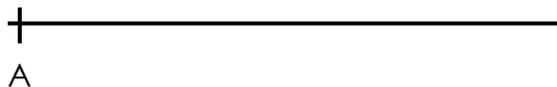
b) Which angle is the **larger**?

THE LARGER

i) a right angle or an acute angle

ii) an obtuse angle or a reflex angle

c) Use a **protractor** to draw an angle of 60° at point A.



(6 marks)

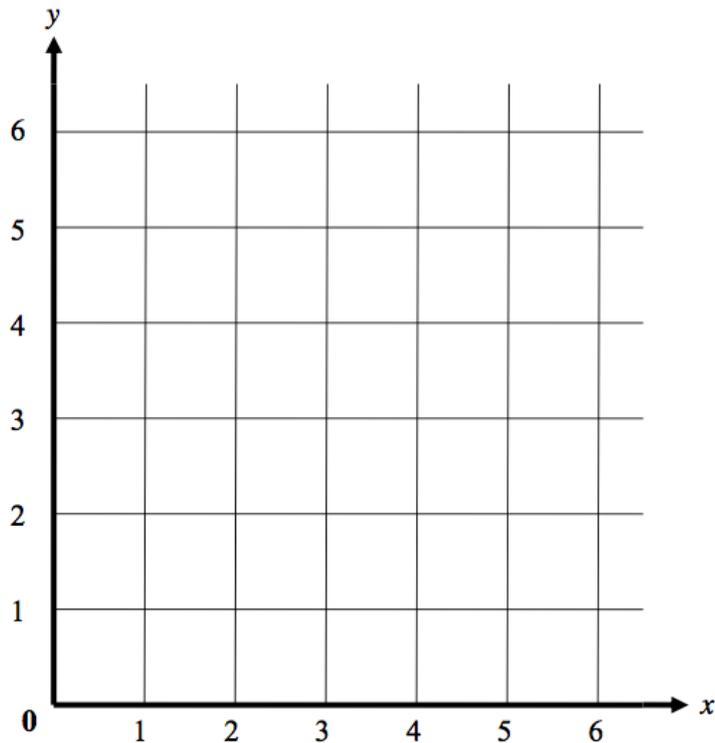
12. Tony writes a rule to draw a straight-line graph. The rule is:

y coordinate is two more than x coordinate

a) Complete the following coordinates **using Tony's rule**.

(1, ____) (3, ____) (4, ____)

b) **Plot** these points on the grid shown below and join them.



c) Tick (✓) the correct answer.

Is the point (2, 5) on the line?

YES

NO

(8 marks)

END OF MAIN PAPER
