

KULLEĠĠ SAN BENEDITTU

Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2016/2017

CCP

YEAR 9

MATHEMATICS

TIME: 15 mins

Non Calculator Paper

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

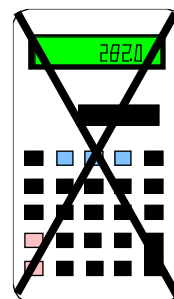
DO NOT WRITE ABOVE THIS LINE

Name: _____







Class: _____

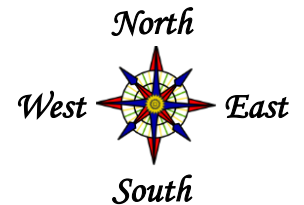
INSTRUCTIONS TO CANDIDATES:

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



1) This is the plan of Malcolm's village.

 School		 Park	
	 Hospital		 Malcolm's Flat
		 Market	
 Police Department			



Fill in the blanks using the **correct** compass direction.

- Malcolm's Flat is _____ of the Hospital.
- The Police Department is _____ of the School.
- The School is _____ of the Park.
- The Park is _____ of Market.

(4 marks)

2) Work out:

- $143 + 325 =$ _____
- $64 - 23 =$ _____
- $33 \times 100 =$ _____
- $60 \div 3 =$ _____
- $9 \times 6 =$ _____
- $74000 \div 100 =$ _____

(6 marks)

3) a) **Fill in** the missing numbers:

i. 53, 55, 57, 59, _____ , _____

ii. 65, 60, 55, 50, _____ , _____

b) **Fill in** the missing shapes:



(6 marks)

4) a) Write these numbers in **figures**:

i. Seven hundred and thirty nine. _____

ii. Eight thousand, two hundred and fourteen. _____

b) Write the number 9406 in **words**.

(5 marks)

5) a) Round:

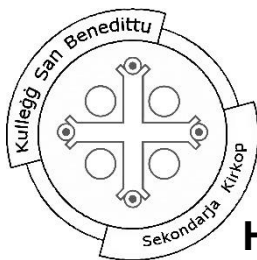
i. 33 to the **nearest 10**. _____

ii. 857 to the **nearest 100**. _____

b) Use your **rounded numbers** to work out an **estimate** for 857×33 .

$$857 \times 33 \approx \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ Ans}$$

(4 marks)



KULLEGG SAN BENEDITTU Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2016/2017

CCP

YEAR 9

MATHEMATICS

TIME: 45 mins

Main Paper

Ques.	1	2	3	4	5	6	7	8	9	10	11	Main	NC	Global Mark
Max. Mark	3	8	3	3	9	4	12	8	10	9	6	75	25	100
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 75 marks.
- Calculators and mathematical instruments are allowed but all necessary working must be shown.

1. Put in order starting from the smallest.

417

350

1500

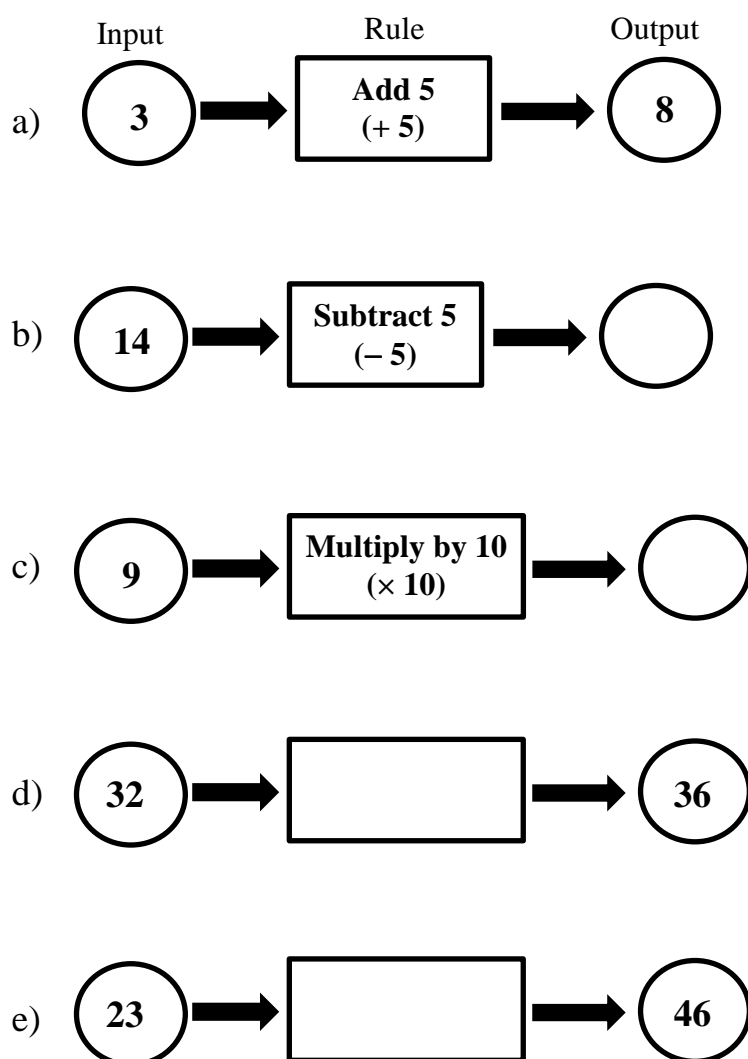
315

470

Ans: _____

(3 marks)

2. Complete these number machines. The first one has been done for you.



(8 marks)

3. a) Use your calculator to work out $819 \div 13$.

Ans: _____

b) i) Use your calculator to work out 14.2×13.7 . Ans: _____

ii) Round your answer in part b) i) to the nearest **whole number**.

Ans: _____

(3 marks)

4. Katia buys some fruit.



800 g
Strawberries



650 g
Grapes



1200 g Banana

What is the **total** weight of fruit in her shopping bag?

Ans: _____ grams

(3 marks)

5. a) Work out this bill:



Rubber
40 cents



Pencil
35 cents



Notepad
25 cents

	<i>Space for working</i>	Cost
3 rubbers	$40 \times 3 = 120 \text{ cents}$	€1.20
2 pencils		
4 notepads		
TOTAL COST		

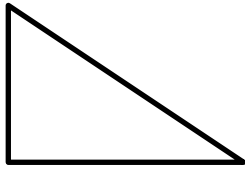
- b) What **change** do I get if I pay with a **€5 note**?

Ans: € _____

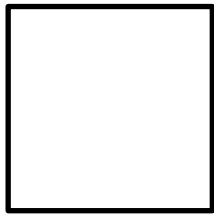
(9 marks)

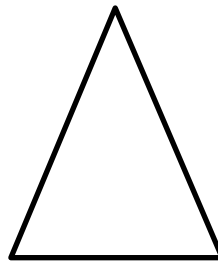
Rectangle Isosceles triangle Square Right-angled triangle

6. Use the words below to write the correct name under these shapes:









(4 marks)

7. Fill in using the numbers below. Each number can be used more than once.

3	5	8	14	6	15	11	12
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a) _____, _____, _____ and _____ are **even** numbers.

b) The **sum** of 3 and 8 is _____.

c) _____ \times _____ = 15

d) $2 \times 7 =$ _____

e) Largest number – smallest number = _____ – _____ = _____

f) _____ + _____ – _____ = 0

(12 marks)

8. a) Using a compass, draw a circle radius **5 cm** with centre at point **O**.

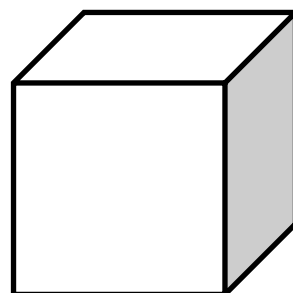
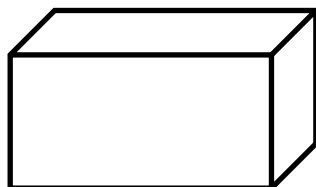
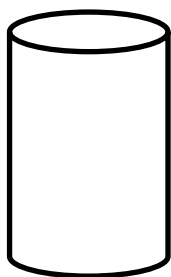
• **O**

- b) On the circle
- i) draw and label the **radius** of the circle.
 - ii) draw and label its **diameter**.
 - iii) draw an arrow pointing at its **circumference**.

- c) Fill in: The **diameter** of this circle is _____ cm long.

(8 marks)

9. a) Match these three dimensional shapes to their correct name:



Cube

Cylinder

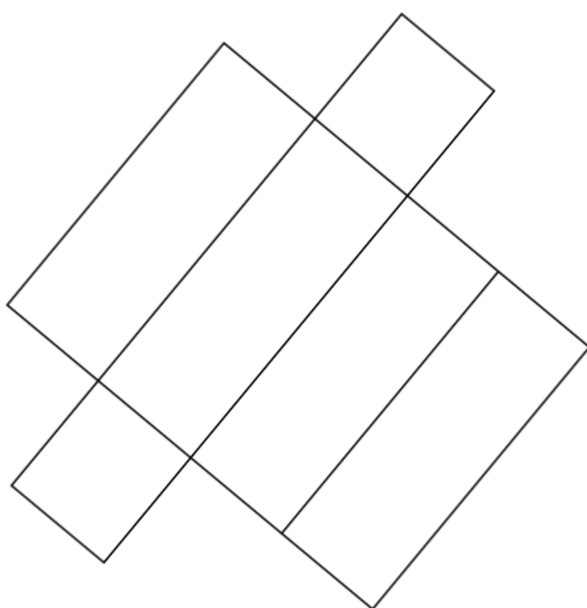
Cuboid

- b) Fill in the blanks:

- i. A cube has _____ faces, _____ edges and _____ vertices.
- ii. A cylinder has _____ faces, _____ edges and _____ vertices.

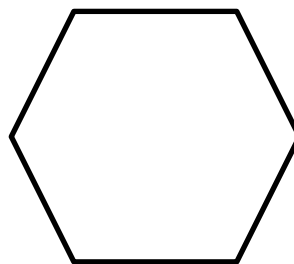
- c) Underline the correct shape:

This is the net of a (cube, cylinder, cuboid).

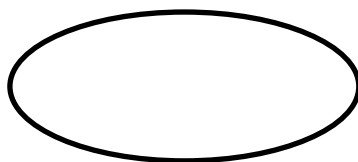


(10 marks)

10. a) Draw all the lines of symmetry of these two shapes:

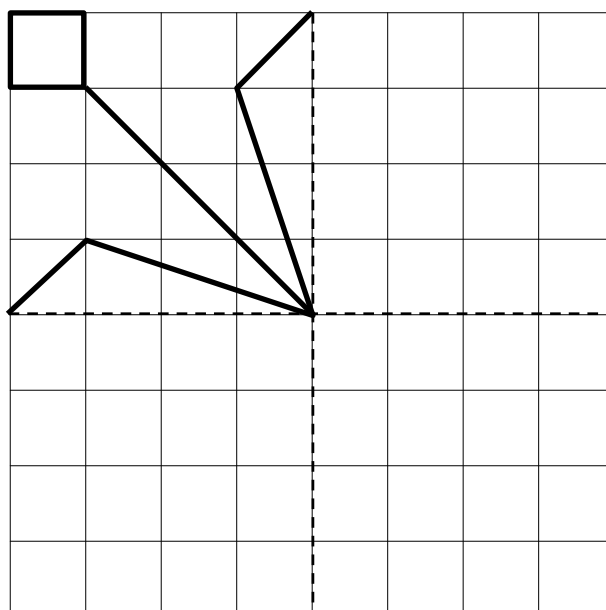


- b) Underline the correct word:



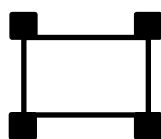
This shape has (one, two, none, many) lines of symmetry

- c) Finish this shape along the dotted lines of symmetry.

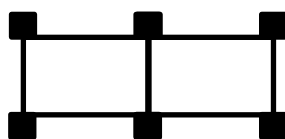


(9 marks)

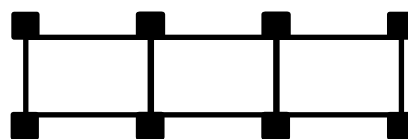
11. Thomas builds the following patterns in a sequence using black squares and white rectangles.



Pattern 1



Pattern 2



Pattern 3

a) Draw **Pattern 4**.

- b) For each next pattern, Thomas adds
- i. _____ black square(s).
 - ii. _____ white rectangle(s).

c) In pattern 6, Thomas uses _____ **black squares** and _____ **white rectangles**.

(6 marks)

END OF MAIN PAPER