

# KULLEGG SAN BENEDITTU

## Secondary School, Kirkop

Mark

### HALF YEARLY EXAMINATION – 2015/2016

Level CCP

FORM 3

MATHEMATICS Level CCP

TIME: 15 mins

#### Non Calculator Paper

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

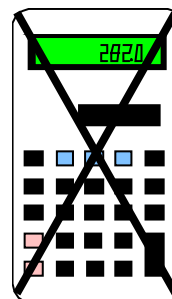
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NAME AND SURNAME: \_\_\_\_\_ CLASS: \_\_\_\_\_

#### INSTRUCTIONS TO CANDIDATES:

Read all the questions carefully before you start answering.

- Answer all questions.
- This paper carries 25 marks.
- **Calculators, protractors** and other mathematical instruments are **NOT ALLOWED**.
- On your desk you should have nothing except for **pen, pencil, ruler** and the **examination paper**.



1. **Work out:**

a)  $3138 + 1241$

b)  $535 - 293$

Ans: (a) \_\_\_\_\_, (b) \_\_\_\_\_  
(4 marks)

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2. **Work out:**

a)  $35000 \div 100$

b)  $9.3 \times 100$

Ans: (a) \_\_\_\_\_, (b) \_\_\_\_\_  
(4 marks)

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3. a) **Round:**

i) 25 to the nearest ten = \_\_\_\_\_

ii) 643 to the nearest hundred = \_\_\_\_\_

b) Using your answers to (a), work out an **estimation** for  $643 \times 25$ .

Ans: \_\_\_\_\_  
(4 marks)

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4. a) **Fill in** the missing numbers.

77, 79, 81, 83, \_\_\_\_\_, \_\_\_\_\_.

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

, , , , , \_\_\_\_\_, \_\_\_\_\_.

(4 marks)

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5. a) **Match.** The first one is done for you.

- |           |  |
|-----------|--|
| i) 63     | Four hundred and fifty-three                 |
| ii) 453   | Nine thousand, eight hundred and sixty-three |
| iii) 9863 | Three hundred and thirty-two                 |
| iv) 7481  | Sixty-three                                  |
| v) 332    | Seven thousand, four hundred and eighty-one  |

b) Write in **words**:

9001 - \_\_\_\_\_

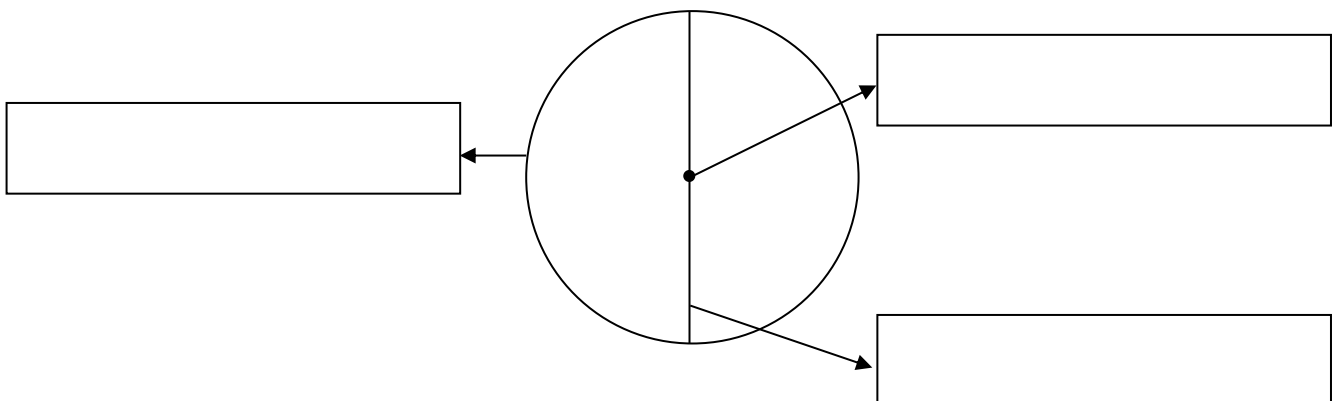
(5 marks)

6. a) **Fill in** using the words below:

diameter

circumference

centre

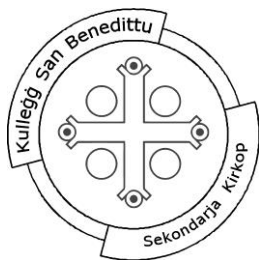


b) If the radius of a circle is 9 cm, find the length of its **diameter**.

Ans: \_\_\_\_\_ cm

(4 marks)

**END OF NON CALCULATOR PAPER**



# KULLEGG SAN BENEDITTU

## Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2015/2016

Level CCP

FORM 3

**MATHEMATICS** CCP

TIME: 45 mins

### Main Paper

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

DO NOT WRITE ABOVE THIS LINE

NAME AND SURNAME: \_\_\_\_\_

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. a) Arrange these numbers in order: **smallest first**.

495      101      459      1001      39

\_\_\_\_\_

b) i) Use a **calculator** to work out: 
$$\frac{49.368 - 9.2 \times 3}{0.05}$$

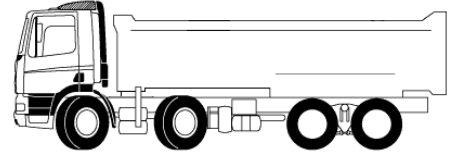
Ans: \_\_\_\_\_

ii) Write your answer in **(b)(i)** to the nearest **whole number**.

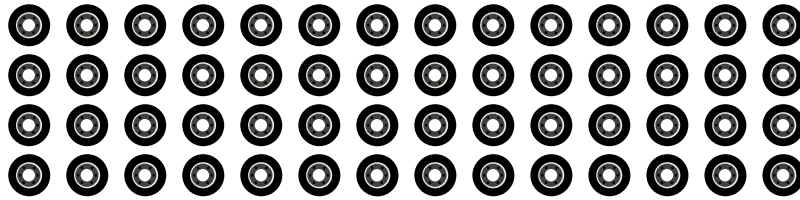
Ans: \_\_\_\_\_

(7 marks)

2. Laurence and Joseph make trucks.  
Each truck has **8 wheels**.



- a) Laurence has **56 wheels**. How many trucks can he make?



Ans: \_\_\_\_\_ trucks

- b) Joseph makes **15 trucks**. How many wheels does he use?

Ans: \_\_\_\_\_ wheels

(4 marks)

3.



**A**



**B**



**C**

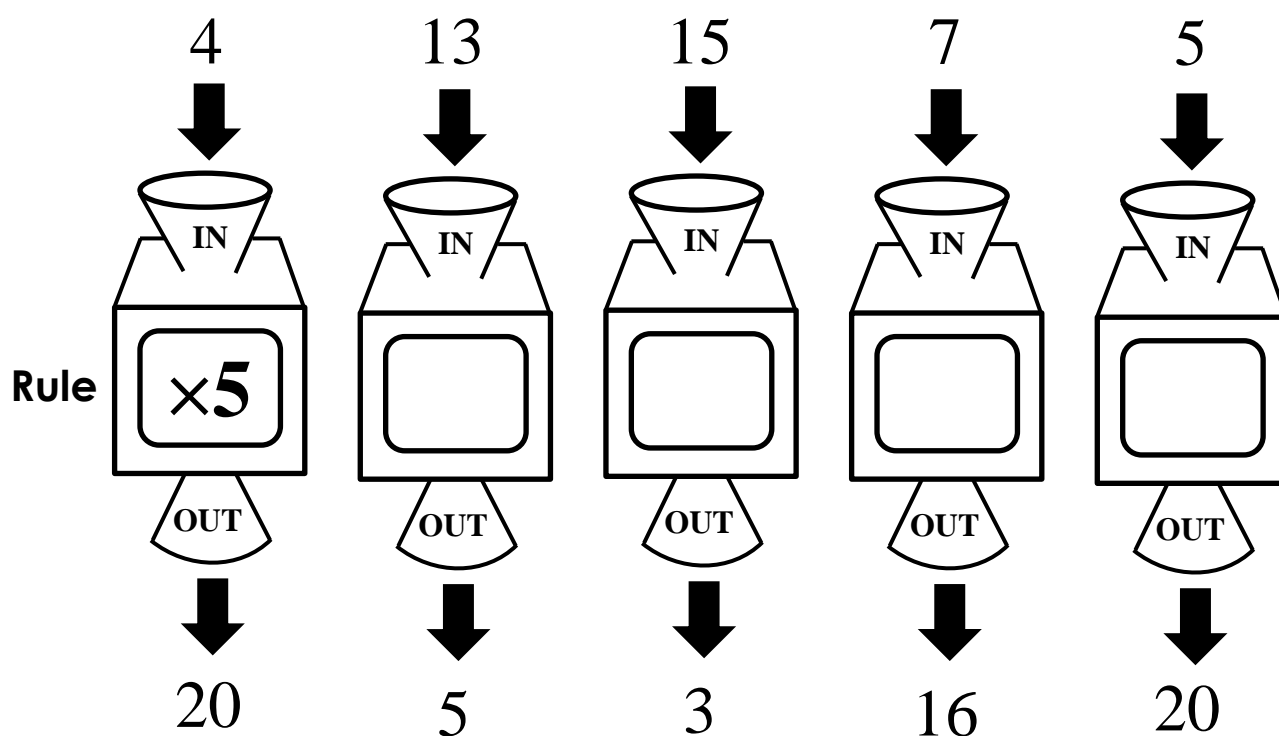
Fill in:

Solid	Name of Solid	Number of Faces	Number of Vertices	Number of Edges
A	Cylinder	3	_____	_____
B	Cuboid	_____	_____	12
C	_____	_____	1	_____

(7 marks)

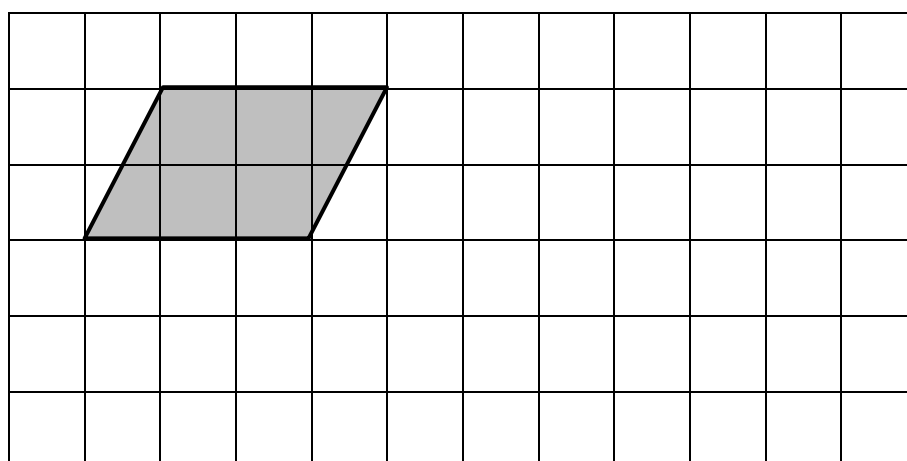
4. **Fill in the rule** in number machines. The first one is done for you.

$\times 4$     $+7$     $+9$     $\div 5$     $-10$     $-8$     ~~$\times 5$~~



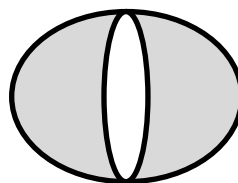
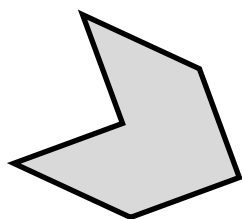
(8 marks)

5. Draw **another 2 parallelograms** to show that a parallelogram tessellates.

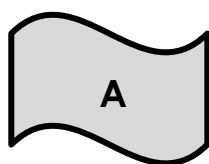


(4 marks)

6. a) i) **Draw** all lines of symmetry.

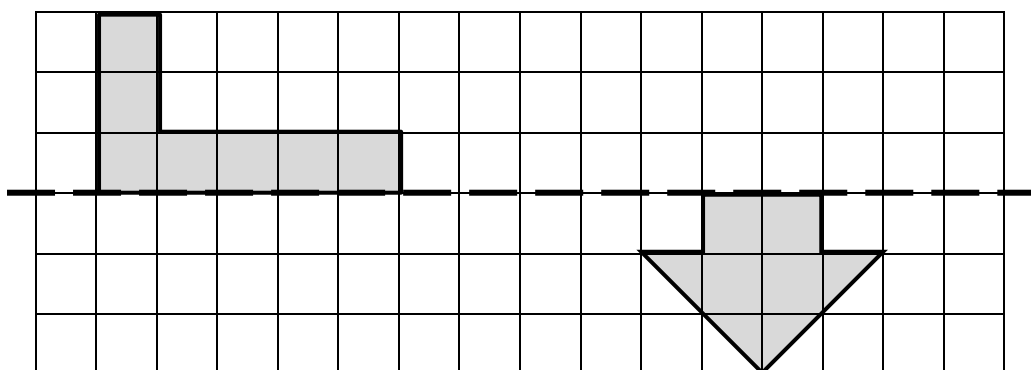


ii) **Underline** the correct answer:



Shape **A** has (no, one, two) lines of symmetry.

b) The dotted line below is a line of symmetry. **Complete** each shape.



(11 marks)

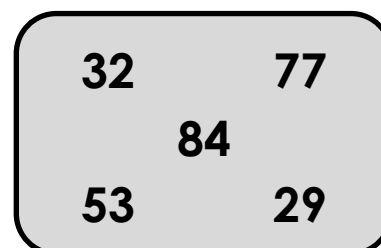
7. From these numbers, choose:

a) an **even** number = \_\_\_\_\_

b) an **odd** number **less than 50** = \_\_\_\_\_

c) a **multiple of 6** = \_\_\_\_\_

d) a number **greater than 60 but smaller than 80** = \_\_\_\_\_



(8 marks)

8. A shop sells stationary.



**Box of Crayons**  
€6.40



**Compass**  
€2.25



**Biro**  
90c



**Scientific Calculator**  
€19.85

a) i) Kate buys the items below. Work out the **total cost**:

Items	Cost
2 boxes of crayons	
1 scientific calculator	
1 compass	
<b>Total Cost:</b>	

ii) Kate pays with **four €10 notes**. How much change does she get?

Ans: € \_\_\_\_\_

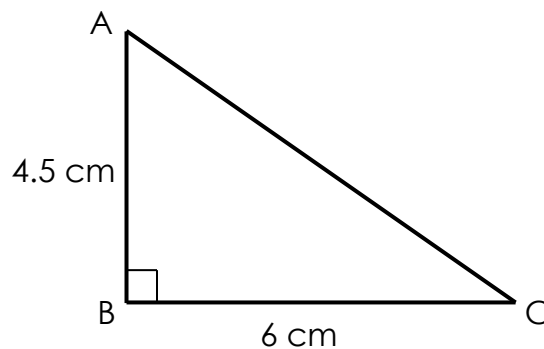
b) Tom has €3.50. How many biros can he buy?

\_\_\_\_\_ biros

(10 marks)



9. a) Using a ruler, **draw** and label triangle ABC as shown in the sketch. Point B is drawn for you.



- b) **Underline** the correct answer:

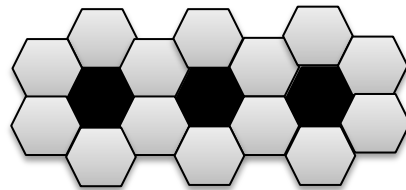
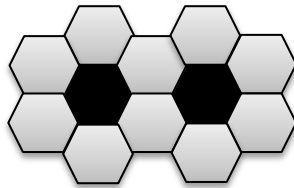
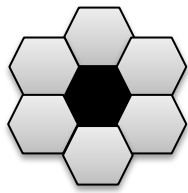
Triangle ABC is (an equilateral, an isosceles, a scalene) triangle.

- c) **Measure** the length of side AC.

Ans: AC = \_\_\_\_\_ cm

(7 marks)

10. Pawlu makes a pattern with tiles. He wants to know how many **grey** tiles he needs for each **black** tile.



- a) **Fill in** the table below:

Number of Black Tiles	Number of Grey Tiles
1	
2	
3	
4	

- b) **Tick** (✓) the correct answer.

Pawlu is:

☐

subtracting 4 grey tiles each time.

☐

adding 4 grey tiles each time.

- c) Pawlu has **26 grey tiles**. How many black tiles does he need?

Ans: \_\_\_\_\_ black tiles

(9 marks)

**END OF MAIN PAPER**