

# KULLEĠĠ SAN BENEDITTU

## Secondary School, Kirkop

Mark

### HALF YEARLY EXAMINATION – 2015/2016

Level 5 – 7

YEAR 7

MATHEMATICS Level 5 - 7

TIME: 30 mins

#### Non Calculator Paper

Question	1	2	3	4	5	6	7	8	Total
Marks									

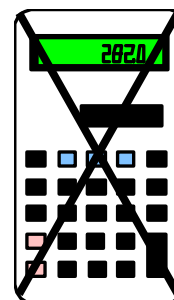
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Name: \_\_\_\_\_

Class: \_\_\_\_\_

#### INSTRUCTIONS TO CANDIDATES:

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



1. Work out:-

(a)  $426 + 35$  = \_\_\_\_\_ Ans

(b)  $95 - 62$  = \_\_\_\_\_ Ans

(c)  $45 \times 100$  = \_\_\_\_\_ Ans

(d)  $125 \times 3$  = \_\_\_\_\_ Ans

(e)  $8900 \div 10$  = \_\_\_\_\_ Ans

(5 marks)

2. (a) Circle the **fraction** that shows which part of the set is **shaded** :



$$\frac{3}{10}$$

$$\frac{2}{5}$$

$$\frac{4}{9}$$

(b) Fill in:

$$\frac{8}{20} = \frac{\boxed{\phantom{00}}}{100} = \boxed{\phantom{00}} \%$$

(4 marks)

3. (a) What is the **value** of **5** in 1052? Ans: \_\_\_\_\_

(b) Write the number three hundred and fourteen in **digits**. Ans: \_\_\_\_\_

(c) Write the number 487 in **words**.

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

(3 marks)

4.

- A number is **smaller** than 20
- It is an **even** number
- It is a **multiple** of 7

The number is

(3 marks)

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5. The following are the number of pets owned by 5 students.

6, 1, 6, 3, 4



(a) Find the **mode**.

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

(b) Find the **mean**.

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

(4 marks)

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6. **Fill in:**

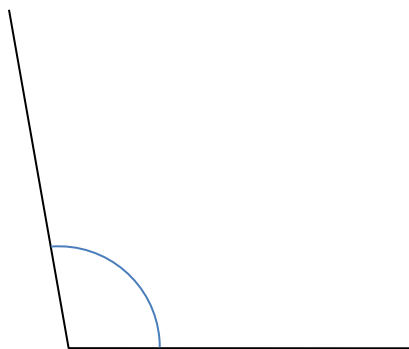
(a) 1, 4, \_\_\_\_\_, 10, 13, \_\_\_\_\_ .

(b) 2, 4, 8, \_\_\_\_\_, \_\_\_\_\_, 64.

(2 marks)

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7. (a) Choose an **estimate** for this angle.



(a)  $80^\circ$

(b)  $100^\circ$

(c)  $200^\circ$

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

(b) **Underline** the correct answer.

The above angle is **obtuse**, **reflex** or **right angle**.

(2 marks)

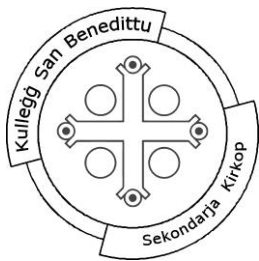
8. Arrange in order, **smallest** first :

$54.5$ ,  $34.7$ ,  $43.5$ ,  $34.2$

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

(2 marks)

**End of Non Calculator Paper**



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## Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2015/2016

Level 5 – 7

YEAR 7

**MATHEMATICS** Level 5 - 7

TIME: 1 hr 30 mins

### Main Paper

Ques.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Main	NC	Global Mark
Max. Mark	3	2	6	4	4	4	3	9	5	3	2	8	6	6	3	3	4	75	25	100
Mark																				

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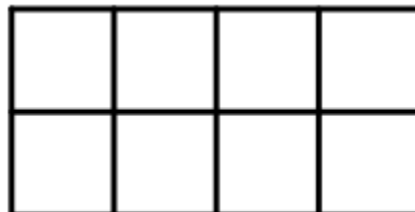
Name: \_\_\_\_\_

Class: \_\_\_\_\_

### INSTRUCTIONS TO CANDIDATES

- Answer all questions.
- This paper carries 75 marks.
- Calculators and mathematical instruments are allowed but all necessary working must be shown.

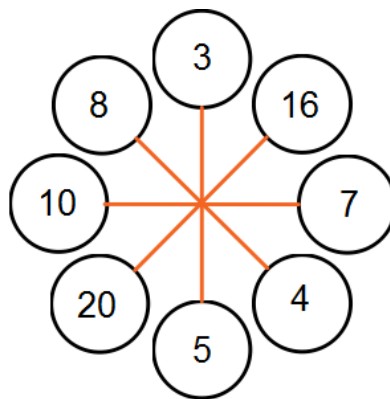
- Shade  $\frac{1}{8}$  of the whole rectangle.
  - Shade another  $\frac{1}{4}$  of the **whole** rectangle.
  - What fraction is **not** shaded?



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

(3 marks)

2. **Shade** all multiples of 4.



(2 marks)

3. Peter is in a shop. He buys 2 packets of crisps at 45 cent each and 5 bottles of water at 90 cent each.

- a) What is the **total cost**?



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

- b) Are €10 enough to pay the bill? Explain.

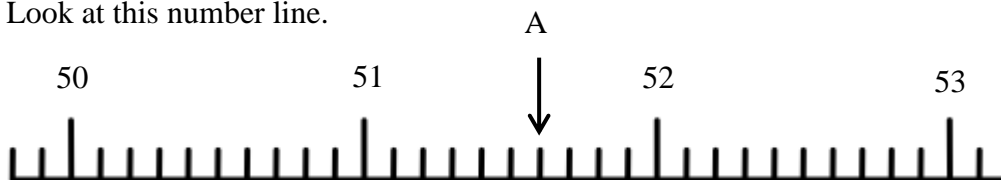
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(6 marks)

4. Look at this number line.



Put these numbers in the correct place on the number line. Mark with an arrow.

The first one is done for you.

A → 51.6

B → 50.8

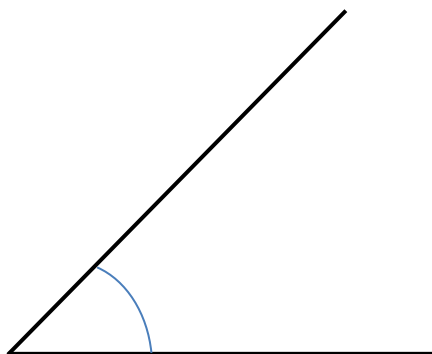
C → 52.2

D → 51.9

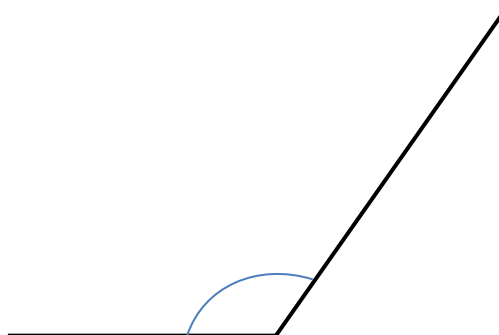
E → 50.7

(4 marks)

5. Measure these angles, using your protractor.



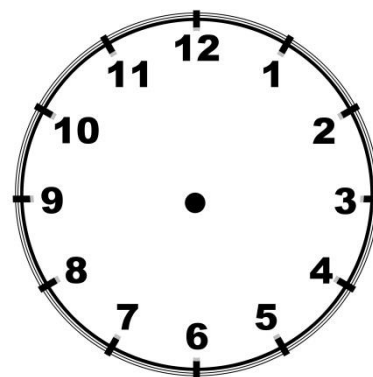
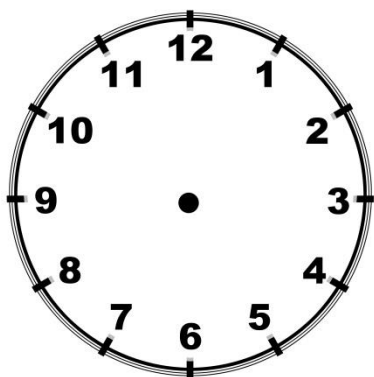
Ans \_\_\_\_\_



Ans \_\_\_\_\_

(4 marks)

6. Sarah left home at **half past 8** and arrived at school at **quarter past 9**. Show both times on these clocks.



(4 marks)

7. Change to **24 hour clock**.

a) 4:15 pm \_\_\_\_\_

b) 1:20 pm \_\_\_\_\_

c) 8:30 am \_\_\_\_\_

(3 marks)

8. **Plot** the following points and **join** them in alphabetical order. Join H to A.

A(5,9)

B(6,6)

C(9,5)

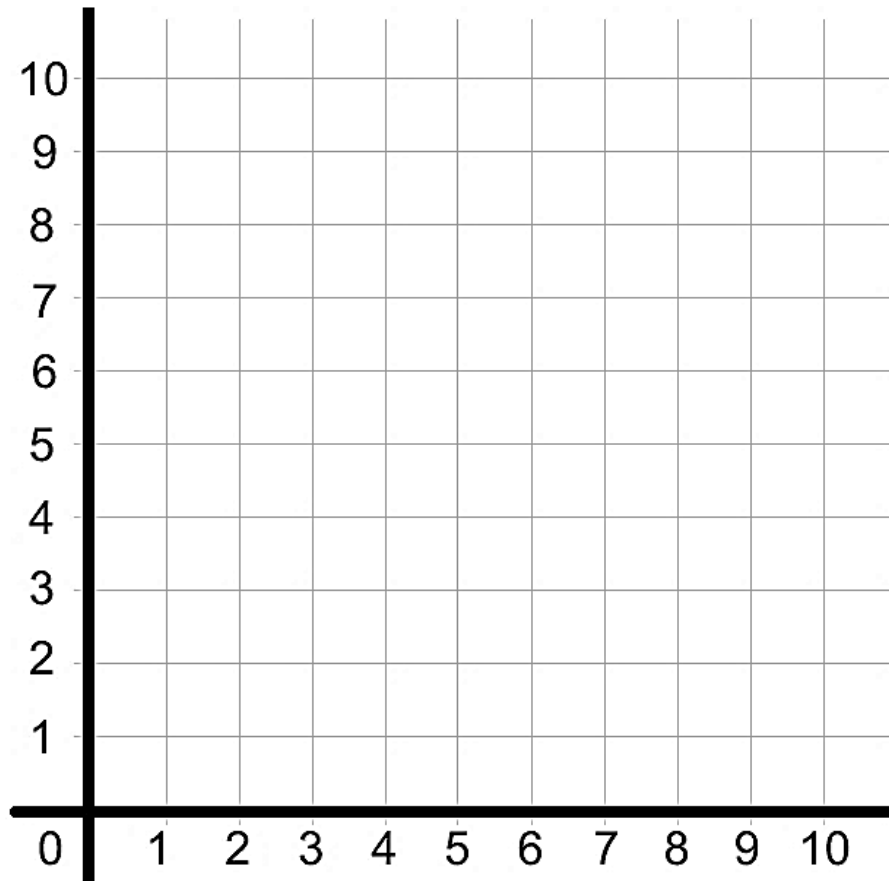
D(6,4)

E(5,1)

F(4,4)

G(1,5)

H(4,6)



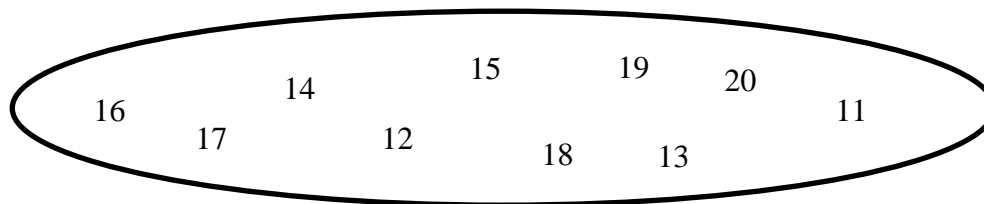
What shape have you drawn?

\_\_\_\_\_

(9 marks)



9. Look at the numbers given in the loop. (Numbers can be used more than once).



- Write one **even** number. \_\_\_\_\_
- Write one **odd** number. \_\_\_\_\_
- Write one **square** number. \_\_\_\_\_
- Write a **factor** of 24. \_\_\_\_\_
- Write a **prime** number. \_\_\_\_\_

(5 marks)

10. Choose the correct answer from

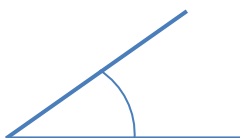
Obtuse angle

Reflex angle

Acute angle

Right angle

a)



Ans \_\_\_\_\_

b)



Ans \_\_\_\_\_

c)



Ans \_\_\_\_\_

(3 marks)

- 11 Find:

a)  $\frac{50}{100} \times 460$

Ans \_\_\_\_\_

b) 20% of 300

Ans \_\_\_\_\_

(2 marks)

12. Some students play these sports:

football	volleyball	handball	football	volleyball	netball
handball	volleyball	netball	volleyball	handball	football
volleyball	football	handball	netball	football	volleyball
football	volleyball	volleyball	handball	football	netball
handball	netball	football	volleyball	handball	volleyball

a) Complete the frequency table given below.

Sports	Tally	Frequency
Football		
Volleyball		
Netball		
Handball		

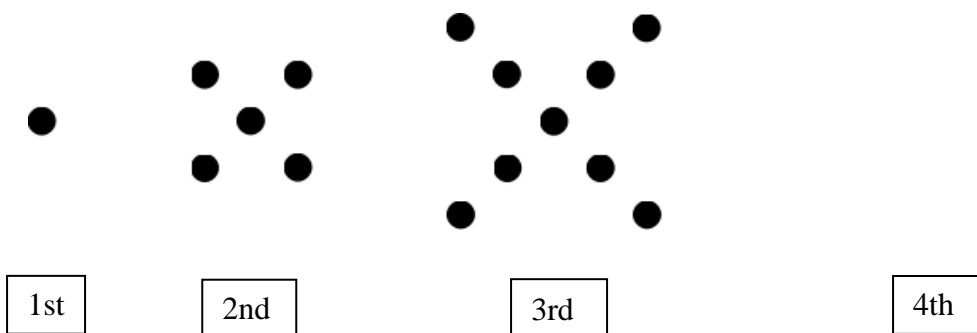
b) Draw the pictogram to represent the data.

Use the symbol  to represent 2 students.

Football	
Volleyball	
Netball	
Handball	

(8 marks)

13. a) Draw the next pattern in the sequence.



b) How many dots has the 4<sup>th</sup> pattern?

Ans \_\_\_\_\_

(6 marks)

14. Find:

a)

$\frac{1}{5}$  of 35kg

b)

$\frac{2}{7}$  of 49cent

Ans \_\_\_\_\_

Ans \_\_\_\_\_

c) Paula made 50 cupcakes.  $\frac{2}{5}$  of the cupcakes are chocolate. How many chocolate cupcakes are there?



Ans \_\_\_\_\_

(6 marks)

15. Work out

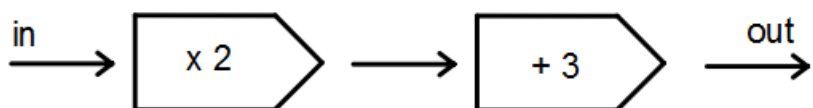
a)  $25 \times 100 =$  \_\_\_\_\_

b)  $3.75 \times 10 =$  \_\_\_\_\_

c)  $46000 \div 100 =$  \_\_\_\_\_

(3 marks)

16. Fill in the table for this number machine.



in	out
5	
4	
3	

(3 marks)

17. Use the calendar to answer the questions below.

2014 OCTOBER						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

a) Petra goes to piano lessons every Thursday. How many times did she go in October 2014?

Ans \_\_\_\_\_

b) If she paid €6 every time. How much did she pay for piano lessons in that October?

Ans \_\_\_\_\_

c) In 2015, 1<sup>st</sup> October was on a Thursday. How many Thursdays were there in October 2015?

Ans \_\_\_\_\_

(4 marks)

END OF PAPER