

**KULLEĠĠ SAN BENEDITTU**  
**Boys Secondary School, Kirkop**

**Levels**  
**5-7**

**HALF-YEARLY EXAMINATIONS – FEBRUARY 2014**

FORM 1

**MATHEMATICS** Levels 5-7

TIME: 30mins

**Non-Calculator Paper**

Question	1	2	3	4	5	6	7	8	Total
Max. Mark	8	2	4	3	2	2	2	2	25
Mark									

**DO NOT WRITE ABOVE THIS LINE**

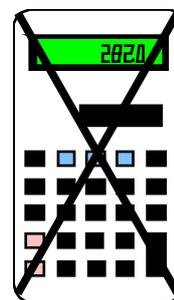
NAME AND SURNAME: \_\_\_\_\_

CLASS: \_\_\_\_\_

**INSTRUCTIONS TO CANDIDATES:**

**Read all the questions carefully before you start answering.**

- Answer all questions.
- This paper carries 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. Fill in:

(a) \_\_\_\_\_ + 15 = 25

(b) 50 - \_\_\_\_\_ = 16

(c) \_\_\_\_\_ × 9 = 81

(d) 48 ÷ \_\_\_\_\_ = 8

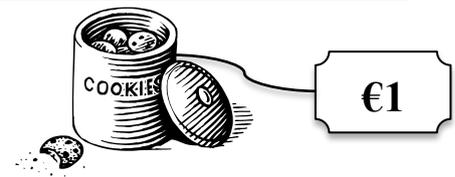
(e) 53.62 + 2.7 = \_\_\_\_\_

(f) 33 × 100 = \_\_\_\_\_

(g) 2.7 ÷ 10 = \_\_\_\_\_

(8 marks)

2. Kurt has **55 cent** in his pocket.  
He wants to buy a jar of cookies which costs **€1**.  
How much **more** money does he need?



\_\_\_\_\_ cent

(2 marks)

3. Each house in my street has 4 people.  
What is the total number of people in:

(a) 5 houses?

\_\_\_\_\_ people

(b) 10 houses?

\_\_\_\_\_ people

(4 marks)

4. The following are the weights of 5 dogs:



13 kg

34 kg

25 kg

7 kg

39 kg



(a) What is the smallest weight? \_\_\_\_\_ kg

(b) Place the weights in order from **lightest** to heaviest.

\_\_\_\_\_

(3 marks)

5. Mr Grech bought 3 boxes of recordable DVDs, each costing €4.99.  
**Estimate** the total cost of Mr Grech's items.

€ \_\_\_\_\_

(2 marks)

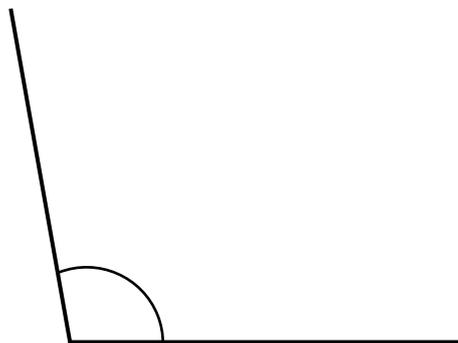
6. (a) Make a sketch of an obtuse angle.

(b) This angle is about:

40°

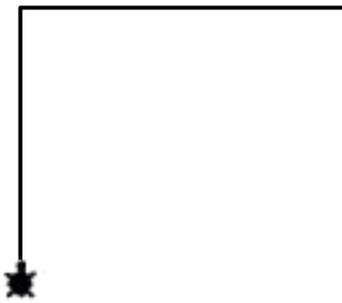
90°

100°



(2 marks)

7. Complete the LOGO commands to draw the given shape:

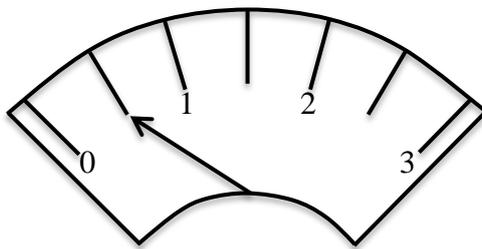


PD  
FD 100 RT \_\_\_\_\_ 100

(2 marks)

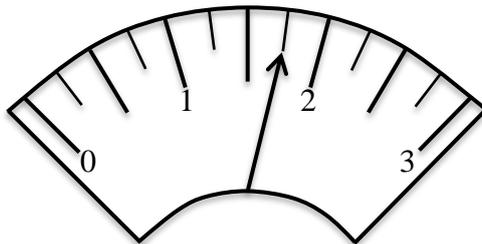
8. Write the value indicated by the arrow in the following scales:

(a)



\_\_\_\_\_

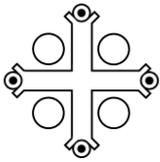
(b)



\_\_\_\_\_

(2 marks)

END OF PAPER



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**5-7**

**HALF-YEARLY EXAMINATIONS – FEBRUARY 2014**

**FORM 1**

**MATHEMATICS** Levels 5-7

**TIME: 1hr 30 mins**

**Main Paper**

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Main	NC	Global Mark
Max. Mark	2	3	8	5	2	6	3	3	4	6	7	4	4	4	7	7	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) Write the number **5,072** in words

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(b) Write the following number in figures:

**Sixty thousand, one hundred and seven =** \_\_\_\_\_

(2 marks)

2. (a) What is the value of **5** in the number 354,967? \_\_\_\_\_

(b) What is the value of **8** in the number 26.89? \_\_\_\_\_

(c) Which of the numbers **0.07** and **0.7** has the **greater** value? \_\_\_\_\_

(3 marks)

3. Round the following numbers:

	To the nearest 10	To the nearest 100	To the nearest 1000
<b>7245</b>	7250		
<b>10,933</b>			
<b>28,526</b>			

(8 marks)

4. 1 kg of oranges costs €1.50 and 1 kg of pears costs €2.60.

(a) Ms Galea buys 2 kg of oranges and 1½ kg of pears. Find the total cost.



€ \_\_\_\_\_

(b) Ms Galea has €10 in her purse. Can she also buy 1 kg of apples costing €2.50?  
Explain.

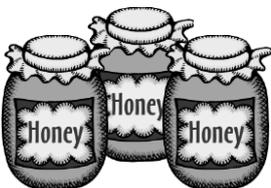
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

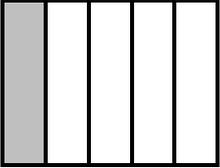
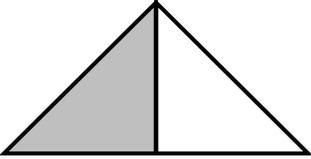
(5 marks)

5. Our neighbourhood shop has an offer of €14.49 for 3 jars of honey.  
How much does 1 jar cost?



€ \_\_\_\_\_  
(2 marks)

6. Fill in the following table:

Shape	Write the fraction shaded	Underline the correct type of fraction
	$\frac{\square}{\square}$	Half, Third, Quarter, Fifth
	$\frac{\square}{\square}$	Half, Third, Quarter, Fifth
	$\frac{\square}{\square}$	Half, Third, Quarter, Fifth

(6 marks)

7. (a) Match each triangle with its description

Scalene triangle	One right angle
Isosceles triangle	No equal sides
Equilateral triangle	3 equal sides
Right-angled triangle	2 equal sides

↗

(3 marks)

8. These are the marks that Isaac got on five tests:

**5, 7, 8, 10, 5**

(a) Work out the mean.

Answer: \_\_\_\_\_

(b) Find the mode.

Answer: \_\_\_\_\_

(3 marks)

9. (a) Work out the size of the radius of a circle which has a **diameter** 8 cm long.

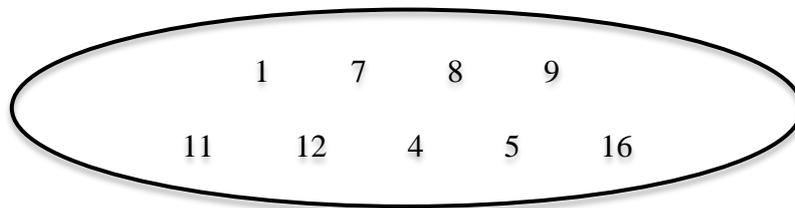
Radius = \_\_\_\_\_ cm

(b) Draw the circle that has a radius 5 cm long.

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(4 marks)

10.



From the above list, find:

(a) 2 even numbers \_\_\_\_\_, \_\_\_\_\_

(b) 2 odd numbers \_\_\_\_\_, \_\_\_\_\_

(c) 2 multiples of 4 \_\_\_\_\_, \_\_\_\_\_

(d) 2 factors of 40 \_\_\_\_\_, \_\_\_\_\_

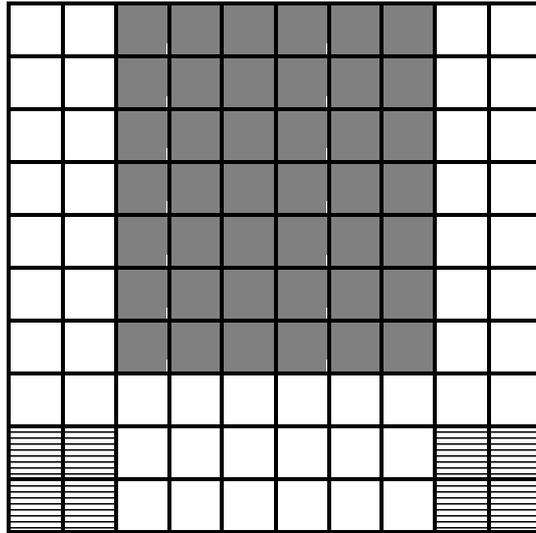
(e) 1 square number \_\_\_\_\_

(f) the **smallest** prime number. \_\_\_\_\_

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(6 marks)

11.



(a) What fraction is:

(i) shaded black?

$$\frac{\boxed{\phantom{000}}}{100} = \frac{\boxed{\phantom{000}}}{50}$$

(ii) striped? (simplify your answer completely)

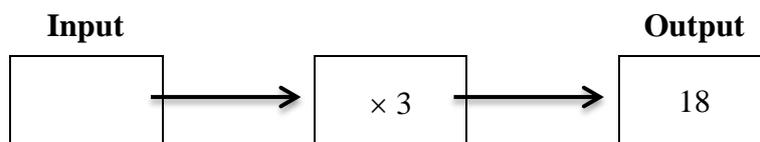
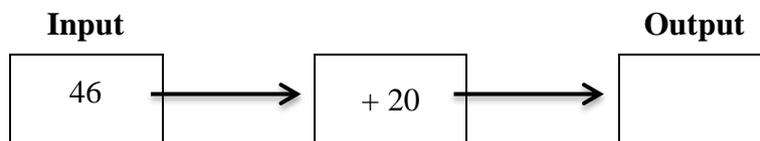
$$\frac{\boxed{\phantom{000}}}{100} = \frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}}$$

(b) What percentage is white?

$$\frac{\boxed{\phantom{000}}}{\boxed{\phantom{000}}} = \underline{\hspace{2cm}} \%$$

(7 marks)

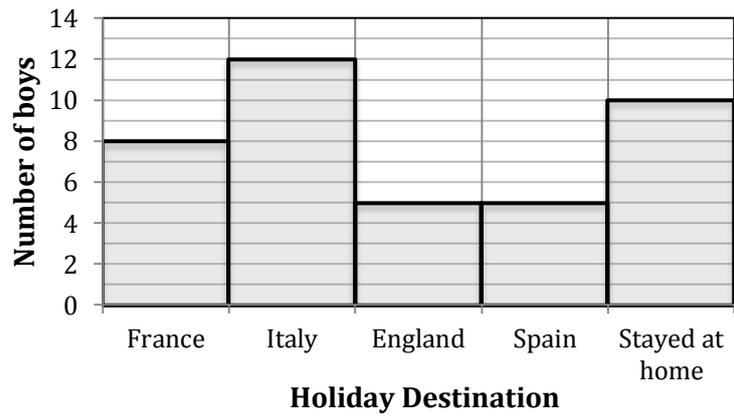
12. Complete the following number machines



(4 marks)



15. The bar chart below shows where the children in one group spent their summer holidays.



(a) Fill in the table using information from the bar chart:

Holiday Destination	Number of boys
France	
Italy	
England	
Spain	
Stayed at home	

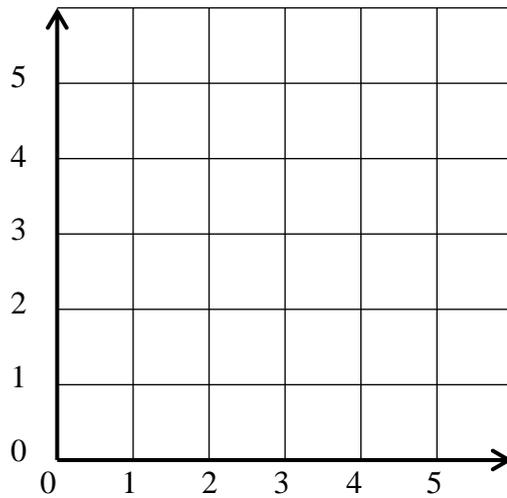
(b) Which was the most popular destination? \_\_\_\_\_

(c) How many children were in the group?

\_\_\_\_\_ children

(7 marks)

16. (a) Plot and label the points **A (2, 2)**, **B (2, 4)**, **D (4, 2)**



(b) Join A to B, B to D, D to A.

(c) What type of shape have you drawn? \_\_\_\_\_

(d) Plot point C to change the shape to the square ABCD.

(e) Write down the co-ordinates of the point C. **C = (\_\_\_\_, \_\_\_\_)**

(7 marks)