

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 | | | | | | | | | |

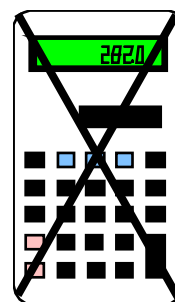
DO NOT WRITE ABOVE THIS LINE

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

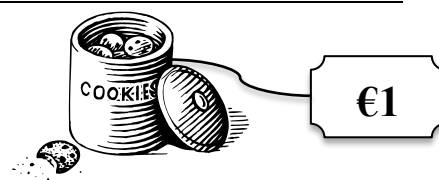
(e) 53.62 + 2.7 = _____

(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)

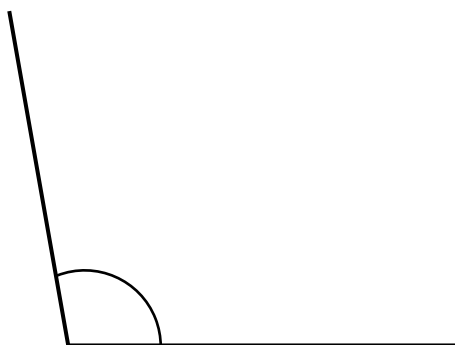
6. (a) Make a sketch of an obtuse angle.

(b) This angle is about:

40°

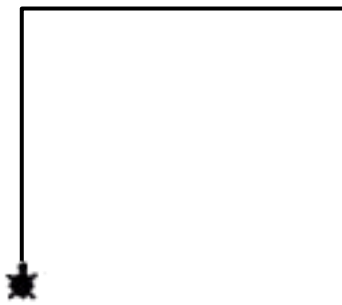
90°

100°



(2 marks)

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



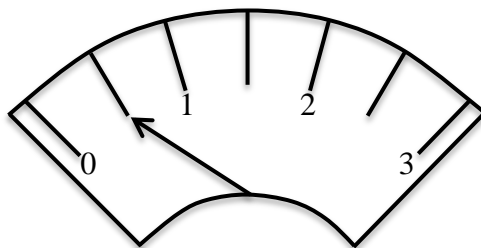
PD

FD 100 RT _____ 100

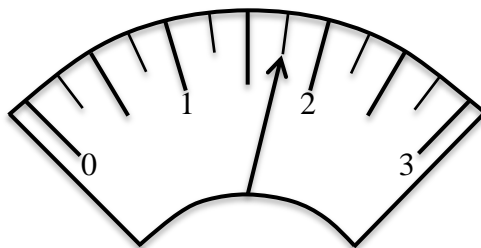
(2 marks)

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

(a)

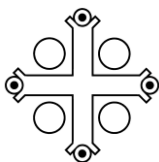


(b)



(2 marks)

END OF PAPER



KULLEĠĠ SAN BENEDITTU
Boys Secondary School, Kirkop

Levels
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

(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 |
|---------------|-------------------|--------------------|---------------------|
| 7245 | 7250 | | |
| 10,933 | | | |
| 28,526 | | | |

(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.


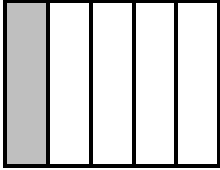
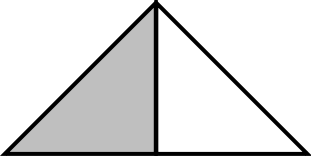
(5 marks)

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



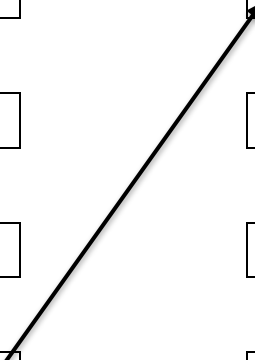
€ _____
(2 marks)

6. Fill in the following table:

| Shape | Write the fraction shaded | Underline the correct type of fraction |
|---|---|--|
|  | $\frac{\boxed{}}{\boxed{}}$ | Half, Third, Quarter, Fifth |
|  | $\frac{\boxed{}}{\boxed{}}$ | Half, Third, Quarter, Fifth |
|  | $\frac{\boxed{}}{\boxed{}}$ | 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)

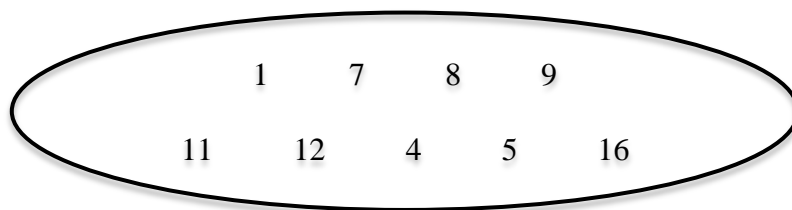
9. (a) Work out the size of the radius of a circle which has a **diameter** 8 cm long.

Radius = _____ cm

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

(4 marks)

10.



From the above list, find:

(a) 2 even numbers _____, _____

(b) 2 odd numbers _____, _____

(c) 2 multiples of 4 _____, _____

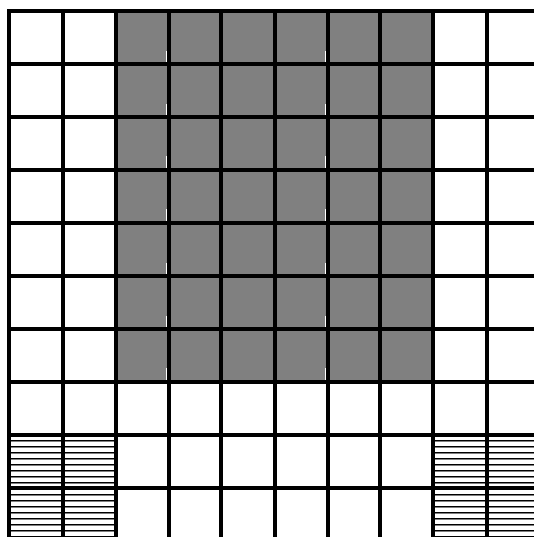
(d) 2 factors of 40 _____, _____

(e) 1 square number _____

(f) the **smallest** prime number. _____

(6 marks)

11.



(a) What fraction is:

(i) shaded black?

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

(ii) striped? (simplify your answer completely)

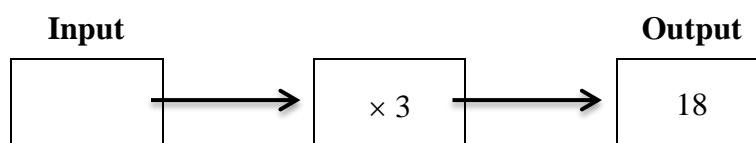
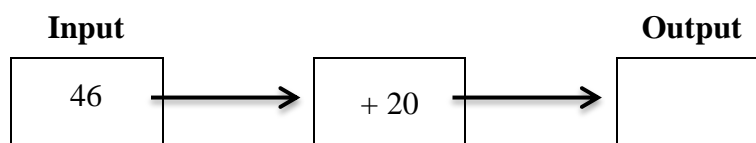
$$\frac{\boxed{}}{100} = \frac{\boxed{}}{\boxed{}}$$

(b) What percentage is white?

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

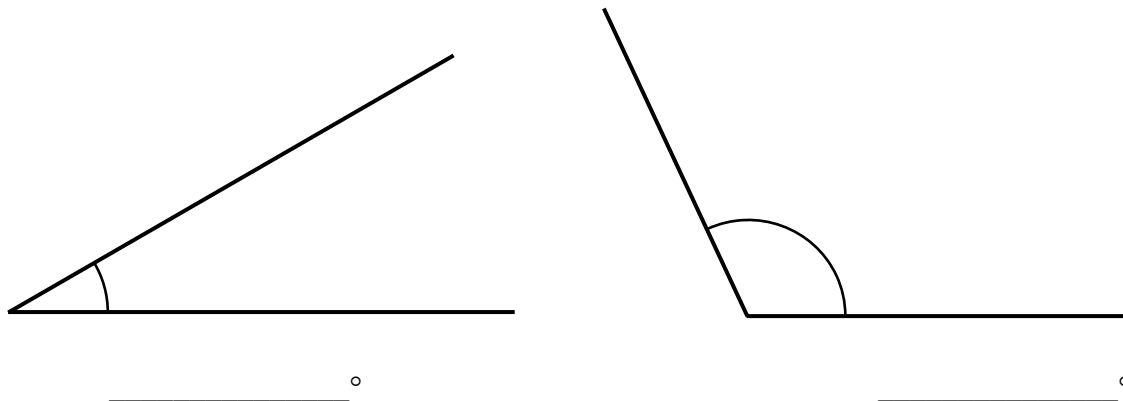
(7 marks)

12. Complete the following number machines



(4 marks)

13. (a) Measure the following angles:



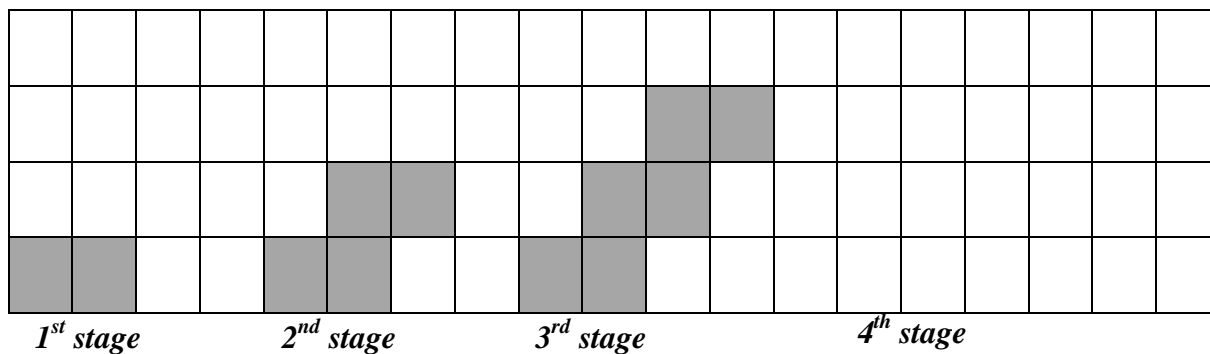
(b) Draw the following angles:

(i) 45°

(ii) 170°

(4 marks)

14.



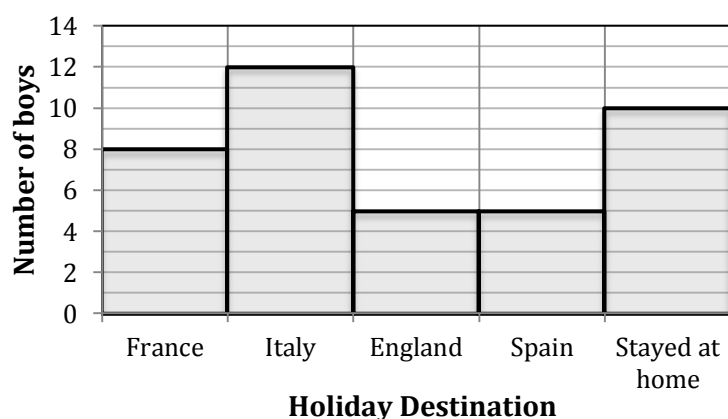
(a) Shade in the 4th stage.

(b) Complete the following table for the given pattern.

| Stage | 1 | 2 | 3 | 4 | 5 | | 8 |
|------------------|---|---|---|---|---|--|---|
| Number of bricks | 2 | 4 | 6 | | | | |

(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 | |

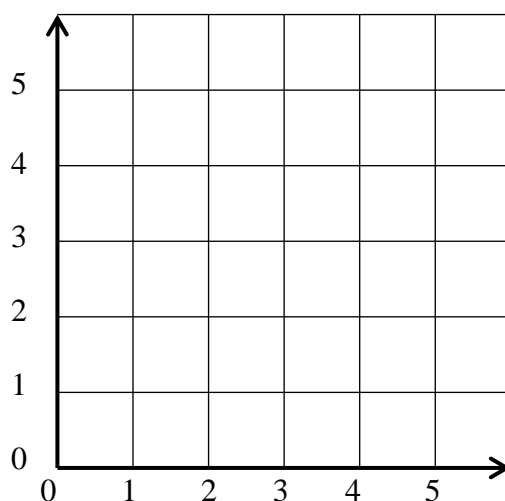
- (b) Which was the most popular destination? _____

- (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. $C = (\text{____}, \text{____})$

(7 marks)