

**KULLEGĠ SAN BENEDITTU**

**Boys Secondary School, Kirkop**

**Levels**

**7-8**

**HALF-YEARLY EXAMINATIONS – FEBRUARY 2014**

**FORM 2**

**MATHEMATICS**

**TIME: 30mins**

**Levels 7-8**

**Non Calculator Paper**

Question	1	2	3	4	5	6	7	8	9	10	11	Total
Max. Mark	2	2	2	2	2	3	2	2	2	2	4	25
Mark												

**DO NOT WRITE ABOVE THIS LINE**

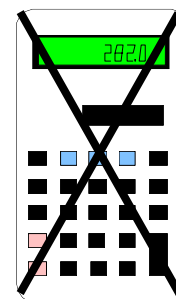
**NAME AND SURNAME:** \_\_\_\_\_

**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. Work out the H.C.F. of 84, 63 and 21.

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

(2 marks)

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2. Work out the following :  $\sqrt{100} - 3^2$

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

(2 marks)

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3. One week a car dealer sold 50 cars. The following week he sold 12% **more**.

(a) How many **more** cars did he sell in the second week?



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

(b) What was the amount of cars he sold **in the second week**?

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

(2 marks)

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4. Draw the number that the LOGO turtle draws :

PD FD 80 LT 90 FD 30 LT 90 FD 30

(2 marks)

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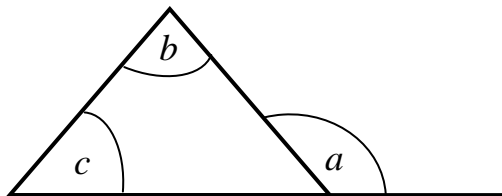
5. Find the value of  $30 \times 24 - 12$

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

(2 marks)

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- 6.



- (a) Write down a formula for  $a$  in terms of  $b$  and  $c$ .

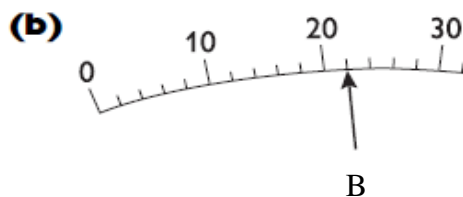
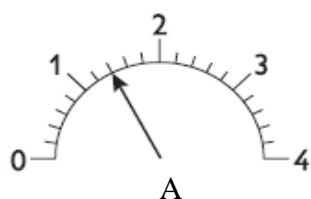
- (b) Work out the value of  $a$  if  $b = 60^\circ$  and  $c = 50^\circ$

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

(3 marks)

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7. Read the values of A and B on the following scales:



Ans: A = \_\_\_\_\_

Ans: B = \_\_\_\_\_

(2 marks)

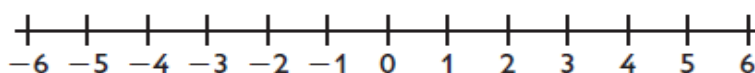
8. Put these numbers in order, from smallest to largest:

$$\frac{3}{4}, \quad \frac{1}{3}, \quad \frac{1}{2}, \quad \frac{1}{5}$$

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

(2 marks)

9. Mark  $x \geq -4$  on the following number line.



(2 marks)

10. Estimate :  $\frac{39 \times 21.3}{1.956}$

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

(2 marks)

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11. Find the **mean, mode, median** and **range** for the following set of numbers :

2, 3, 0, 1, 4, 0, 1, 3, 2, 1, 0, 1.

Ans: (a) Mean = \_\_\_\_\_

(b) Mode = \_\_\_\_\_

(c) Median = \_\_\_\_\_

(d) Range = \_\_\_\_\_

(4 marks)

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