

THE WORD EXAMINATIONS BOARD  
PRIMARY SEVEN WEEKLY TESTS  
TERM III HOLIDAY, FRIDAY 8<sup>TH</sup> SEPTEMBER, 2023.  
MATHEMATICS

**Time allowed: 1 hour and 30 minutes**

Random No.						Personal No.		

**Candidate's name** : .....

**Candidate's signature** : .....

**Read the following instructions carefully:**

1. This paper has two sections: section A has 10 questions and section B has 6 questions. Answer all questions in the spaces provided using a blue pen. Use a sharp pencil on diagrams. Unnecessary changes may lead to loss of marks.
2. The paper is out of 50 marks and aim at more than 25 marks.

**Section A (20 Marks)**

<b>1</b>	Given that set A = {all even numbers less than 12} and set B = {all composite numbers less than 16}. Find $n(A \cap B)$	<b>2</b>	Given three digits; <b>2, 0</b> and 5, expand the highest three digit even numeral that can be formed.
<b>3</b>	a) Use distributive property to work out: $0.5 \times 21 + 0.5 \times 19$ .  b) Work out $4 - 32 \div 8 + 2 \times 3$	<b>4</b>	a) Work out the sum of half and two thirds.  b) Buying a radio at sh.25000, sold it at a profit of 20%. Find sell price.
<b>5</b>	The sum of three odd numbers is 9. Find the numbers.	<b>6</b>	Use a number line to workout $-4 + 3$

7

Given that  $y = 2x - 1$ , complete the table below.

X	-1	.....	2	-2
y	-3	-1	3	.....

9

a) Change 750 ml to litres.

b) Convert  $1.05 \text{ m}^2$  to  $\text{cm}^2$

8

The driver started the journey at 09 45 hours and ended at 13 45 hours moving at a steady speed of 60km/hr. what distance did the driver cover?

10

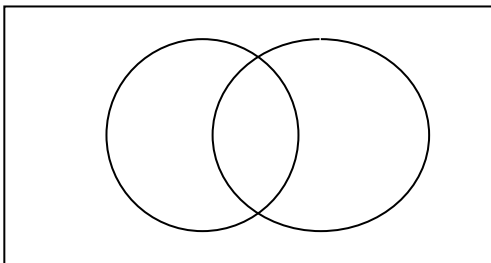
a) Given that  $a = 2$  and  $b = 3$  find the value of  $ab - a \div b$ .

b) Simplify:  $2m + 7n - 3m - 4n$

### Section B (30 Marks)

11. At a party, 40 guests ate meat only, 38 ate g.nuts, 14 guests ate both sauces while 7 guests did not eat any.

a) Represent the information on the Venn diagram



b) How many guests:

(i) attended the party?

(ii) did not eat meat?

(05 marks)

12.(a) Alex, James and Ronah shared 108 mangoes in the ratio of 2:3:7 respectively. How many mangoes did Ronah and Alex receive altogether?

(03 marks)

(b) Tap A takes 6 hours to fill the tank while tap B takes 8 hours to draw all from the tank, if all taps are left open, what fraction is filled into the tank in one hour? (02 marks)

13. (a) A farmer banked three million shillings in the Nile bank. If he banked twenty thousand shillings notes only. How many notes did he bank? (02 marks)

(b) Given that the existing exchange rates are;  
US.\$ 1 = Ug sh. 1850 and K.sh 1 = Ug sh. 25, if a watch costs Ksh 1480, how much US dollars will it cost? (02 marks)

(c) Peter was given a bundle of five thousand shilling notes numbered from OR 447500 to OR 447699 consecutively. How Many notes did he get? (02 marks)

14. One of the exterior angle of a regular polygon is  $(n - 4^\circ)$ . If the polygon has six sides;  
(a) Find the value of n (02 marks)

(b) Using a ruler and a pair of compasses only, construct line  $AB = 7\text{cm}$  and angle  $75^\circ$  at point A. (02 marks)

(c) Town M is south East of town Y, find the bearing of town Y from town M.

(02 marks)

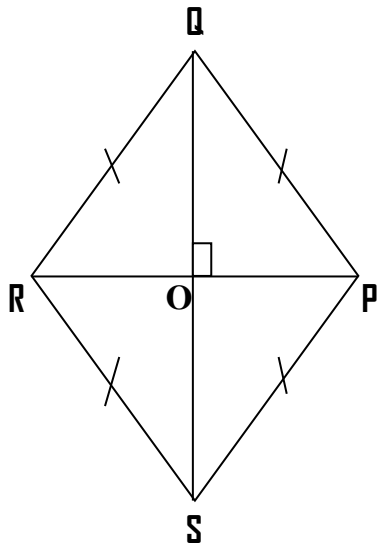
15. (a) The weight of a teacher is 72kg. The average weight of the teacher and three pupils is 50kg. Calculate the total weight of the pupils.

(02 marks)

(b) Find the mean of  $2m$ ,  $m-4$ ,  $0$  and  $2(\frac{1}{2}m + 24)$ .

(02 marks)

16. The one side and diagonal RRP of a rhombus PQRS below are  $(y - 2)m$  and  $(y - 1)m$  respectively. Its perimeter is 20m.



(c) find the length of diagonal QS

(a) find the value of  $y$

(d) Calculate the area of the figure OPS.

(b) find the value of diagonal RP

(04 marks)

**END**