OUTREACH SCHOOLS EXAMINATIONS BOARD

END OF TERM II EXAMINATION 2024

P.5 MATHEMATICS

Time Allowed: 2hours 30 Minutes

Pupil's Name: .....

Class: .....

School Name: .....

Read the following instructions carefully:

1. This paper has two sections: **A** and **B**
2. Section **A**has 20 short questions (40 marks)
3. Section **B** has 12 questions (60 marks)
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. All working must be done using a blue or blackball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated **"For examiners' use only"** and the boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	**MARKS**	**EXR'S No.**
1 - 10		
11 – 20		
21 – 30		
31 – 32		
TOTAL		

Turn Over

SECTION A

1. Add:

$$\begin{array}{r} 4\ \ 2 \\ +\ 1\ \ 3 \\ \hline \\ \hline \end{array}$$

2. Set A =(a, b, c, d, e)
B = (a, e, I, o, u)
Find A n B.

3. Tom ate $\frac{2}{8}$ of a pizza and Jesca ate $\frac{3}{8}$ of the same pizza. How much of the pizza did they eat altogether?

4. Find the value of y.
$y - 12 = 88$

5. What is the value of 7 in 7854?

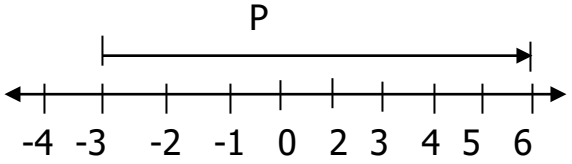
6. Find the next number in the sequence.

2, 4, 6, 8, _____

7. Kafeero walked 18 km on Tuesday, Express the distance he walked in metres.

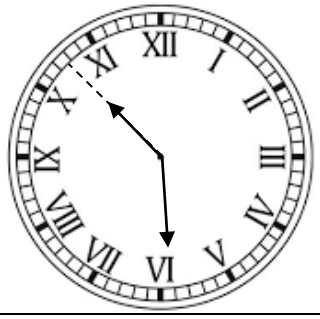
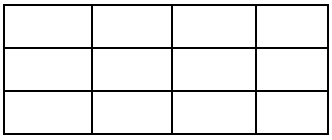
8. Use a protractor to draw an angle of 70^0.

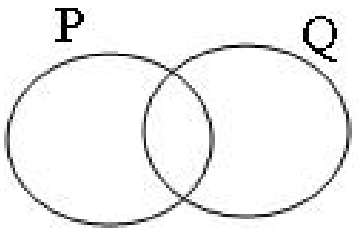
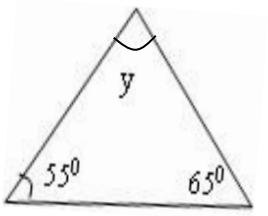
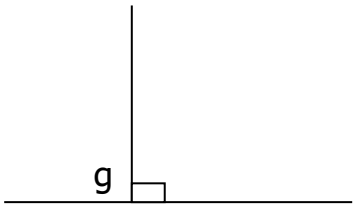
9. Write the integer represented by the arrow marked P.

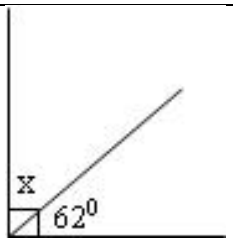


10. Subtract:

kg	g
18	300
- 7	600

11.	Mukungu left his home at 8:40 am and reached town at 10:50 am. How long did he take to reach town?	12.	What number has been Prime factorised to give (2_1, 2_2, 3_1)?
13.	Divide: 404 by 4.	14.	Tell the time on the clock face. 
15.	Shade $\frac{2}{3}$ 	16.	At a concert, a prize was awarded to the person sitting in the chair numbered with the Lowest Common Multiple of 12 and 15. Find the number of the prize-winning chair.
17.	Simplify: 4n + 6y – n – y	18.	Given that  represents 20 girls, draw pictures to represent 80 girls.

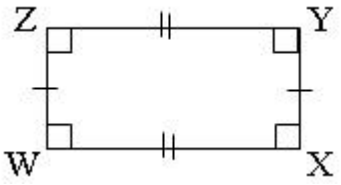
20.	Given that a=2, b = 0 and c=3, find the value of abc.	20.	Arrange the following decimals in a ascending order. 0.6, 0.3, 0.7, 1.2.
	SECTION B (60 MARKS)		
21. i) ii)	Give that; P = {odd numbers less than 10} Q={counting numbers less than 7} List all members of; Set P (1 mrk) Set Q (1mrk)	b)	Represent the members of set P and set Q on the venn diagram below; (3mrks) 
22. a)	Mary is 10 years old. Her friend Martha is 4 years older than her. What was Mary's age 2 years ago? (2mrks)	23.	Find the value of the unknown in each diagram. (2mrks@) 
b)	What is the age of Martha? (2mrk)	b)	

c)	What is their total age now? (2mrks)	c)	
24. a)	In a class of 45 pupils, of them are boys and the rest are girls. Find the fraction of girls. (2mrks)	25.	Use the price list below to answer questions that follow; Item | Unit cost Meat | sh. 10000 Bread | sh. 4000 Sugar | sh. 3500 What will be the total cost of Musa buying 2 kgs of meat, 2 loaves of bread and 1 kg of sugar? (3mrks)
b)	How many boys are there? (2mrks)		
c)	If each girl contributes sh. 200 for buying a wall clock, how much is collected from the girls? (2mrks)	b)	If he had a note of sh. 50,000, what was his change? (2mrks)

26.	The SST lesson lasts for $^5/_6$ of an hour each day. Today, the lesson has so far taken $^2/_5$ of an hour. How many more minutes are left to end the lesson? (4mrks)		
27.	Using a pair of compasses, a ruler and a sharp pencil, construct a triangle ABCD such that AB=6 cm and BC=4 cm. (4mrks)		
28.	Write 103_{five} in words. (1mrk)	b)	Change the above number into base ten. (2mrks)

29.	Change ¼ to decimal. (2mrks)	30. a)	Solve: $8 + h = 1$ (2mrks)
b)	Add: 2.8 + 3.07 (2mrks)	b)	$\frac{X}{2} = 9$ (2mrks)
c)	Write in figures; Thirty seven hundredths. (1mrk)	c	$3p = 90$ (2mrks)

31. The figure below is a rectangle WXYZ, WX =8 cm, XY=5 cm. Use it to answer questions that follow; (1Mrk@)



i) Find the length of;
ZY

ii) WZ

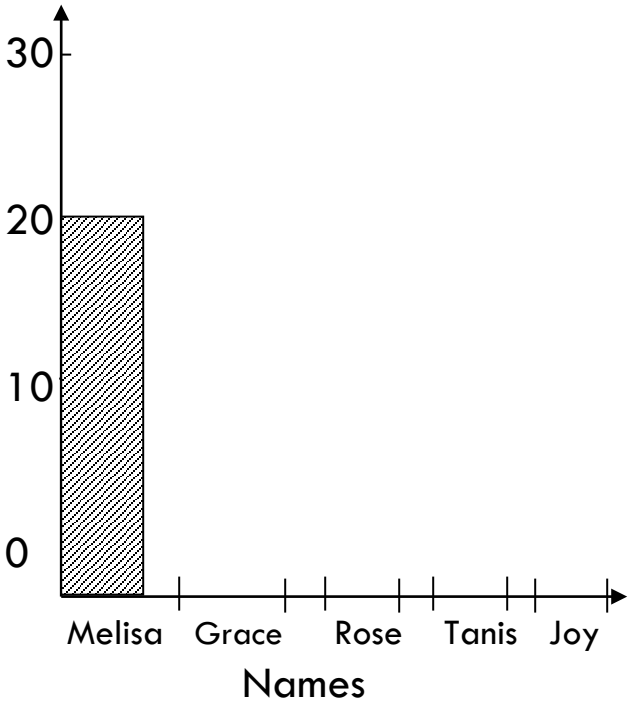
b) Find the perimeter of the rectangle. (2mrks)

c) Find the area of the rectangle. (2mrks)

32. The table below shows the marks that were scored by 4 pupils in a math test. (4mrks)

Name	Melisa	Grace	Rose	Tania	Joy
Mark	20	15	10	25	20

Use the above marks to complete the bar graph below;



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