

THE PEARL EDUCATIONAL CONSULT

END OF YEAR EXAMINATION-2023

PRIMARY FIVE

MATHEMATICS

Time allowed: 2 hours 30 minutes

Name:..... **Stream:**.....

SCHOOL NAME

DISTRICT:

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
2. Section **A** has 20 questions (40 marks)
Section **B** has 12 questions (60 marks)
3. Attempt all questions. All questions to both Sections **A** and **B** must be written in the spaces provided.
4. All answers must be written using a blue or black ball-point pen or ink. Only diagrams and graph work may be done in pencil.
5. Unnecessary alteration of work may lead to **loss** of marks.
All diagrams must be drawn in pencil.
6. Any handwriting that cannot easily be read may lead to **loss of marks**.
7. Do **not** fill anything in the boxes indicated:
"For Examiners' Use Only"

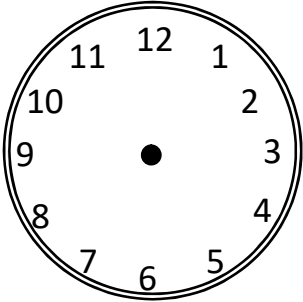
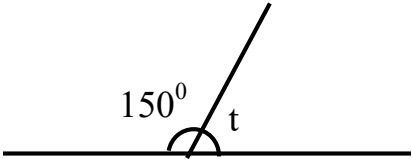

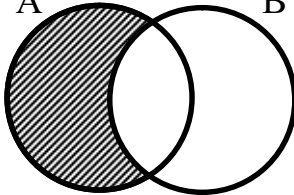
FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 50		
51		
52		
53		
54		
55		
TOTAL		



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SECTION A: 40 MARKS

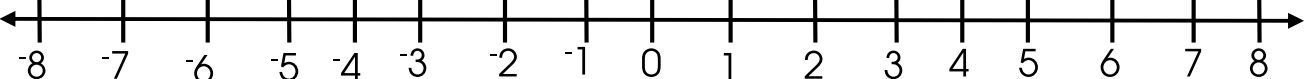
1.	Workout: 3×4	2.	Expand 525 using powers of ten.
3.	Change 12:25pm in 24 hour clock.	4.	Fill in the missing number. <div style="display: inline-block; border: 1px solid black; width: 40px; height: 30px; vertical-align: middle;"></div> - 3 = 6
5.	Change 5000grammes to kg.	6.	In the space below, draw a line AB of 6cm.
7.	Find the square of 3	8.	Write 25.2 in words.
9.	John bought a book at sh 2500. How much will John spend in 3 similar books?	10.	Given that set $L = \{\text{prime numbers less than 20}\}$ find the number of elements in set L.

11.	Round off 5791 to the nearest hundreds.	12.	Write XLIV in Hindu Arabic numerals.
13.	The area of a rectangle is 32cm^2 , If its length is 8cm. find its width.	14.	Jimmy had $\frac{1}{2}$ of his bread and ate $\frac{1}{4}$. What fraction of his bread did he remain with?
15.	Using the clock face below, show 20 minutes to 3 o'clock. 	16.	Convert 14_{five} to base ten.
17.	Find the value of angle t. 	18.	Find the GCF of 8 and 12.
19.	If  represents 15cups, draw cups to represent 45cups.	20.	Describe the shaded part. 

SECTION B: 60 MARKS					
21.	Use <, > or = to complete the sentences below.			1 mark@	
	0×6 _____ $6 + 0$		$\frac{1}{2}$ _____ $\frac{1}{4}$		
	XL _____ LX		12 items _____ 1dozen		
22.	How many months of the year start with letter "J"		c) A driver covered 270km in 3 hours. Find the speed the driver used.		
	1 mark		2 marks		
	A boy walked $1\frac{1}{2}$ hours. How much time was it in minutes?				
	2 marks				
23.	The figure below is a square use it to answer questions that follow				
	(a) If a rat moved twice around the shape. Find the total distance covered.				
	2 marks				
	b) Calculate its area.				
	2 marks				

24.	Given that $x = 2$, $Y = 3$ and $P = 5$. Find the value of	
	<p>(i) XYP 1 mark</p> <p>ii) $XY - P$ 2 marks</p>	<p>(b) Solve for p: $p + 8 = 20$ 2 marks</p>

25. a) Use a number line to subtract $-3 - 4$ 2 marks



A horizontal number line with arrows at both ends. It has tick marks labeled from -8 to 8. The labels are: -8, -7, -6, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8.

<p>b) temperature of a certain liquid was found at 20°C and later it dropped by 7°C. What was the new temperature?</p> <p>2 marks</p>	<p>c) What is the range of -4 and -1?</p> <p>1 mark</p>
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c) What is the range of -4 and -1?

1 mark

26.	<p>With aid of a pencil, a ruler and a pair of compasses only, construct a regular hexagon in a circle of radius 3cm.</p> <p>4 marks</p>
27.	<p>The mother went with sh.50,000 and bought the following items.</p> <p>2kg of meat at sh. 11,000per kg</p> <p>1 bar of soap at sh.5,000</p> <p>1 ½ kg of sugar at sh.4,200@kg.</p> <p>a) What is the cheapest item?</p> <p>1 mark</p> <p>b) Find the mother's total expenditure.</p> <p>2 marks</p>

28.	<p>Given that set $W = \{\text{all vowels}\}$, $T = \{\text{i,o,b,c,d}\}$</p> <p>a) Represent set W and T on the Venn diagram below.</p> <div data-bbox="355 130 699 375" data-label="Diagram"> </div> <p style="text-align: right;">3 marks</p> <p>b) How many members are in set W?</p> <p style="text-align: right;">2 marks</p>				
29.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; vertical-align: top;"> Workout: (a) $\frac{1}{2}$ of $10 + 15 \div 5$ <div style="text-align: right;">2 marks</div> </td><td style="width: 50%; padding: 10px; vertical-align: top;"> b) Find the mean of 0.2 and 4 <div style="text-align: right;">2 marks</div> </td></tr> <tr> <td colspan="2" style="padding: 10px; vertical-align: top;"> c) Find the place value of 2 in the number 213_{five} <div style="text-align: right;">2 marks</div> </td></tr> </table>	Workout: (a) $\frac{1}{2}$ of $10 + 15 \div 5$ <div style="text-align: right;">2 marks</div>	b) Find the mean of 0.2 and 4 <div style="text-align: right;">2 marks</div>	c) Find the place value of 2 in the number 213 _{five} <div style="text-align: right;">2 marks</div>	
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