THE PEARL EDUCATIONAL CONSULT
END OF YEAR EXAMINATION-2023
PRIMARY FIVE
MATHEMATICS

Time allowed: 2hours 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:
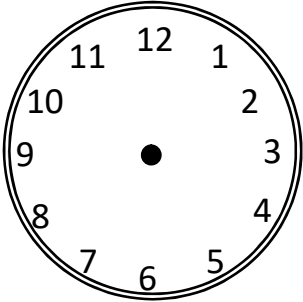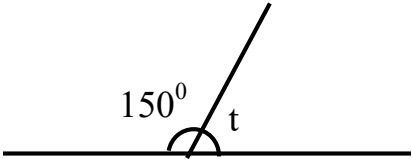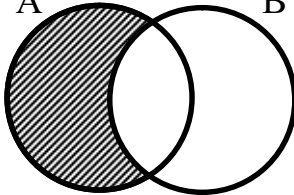   **"For Examiners' Use Only"**

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 x 4	2.	Expand 525 using powers of ten.
3.	Change 12:25pm in 24 hour clock.	4.	Fill in the missing number. $\Box$ - 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 = {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 32cm², 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 $14_{\textbf{five}}$ 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 _____ $6 + 0$

XL _____ LX

$\dfrac{1}{2}$ ———————— $\dfrac{1}{4}$

12 items _____ 1dozen

22. How many months of the year start with letter "J"

1 mark

A boy walked $1\frac{1}{2}$ hours. How much time was it in minutes?

2 marks

c) A driver covered 270km in 3 hours. Find the speed the driver used.

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

6cm

b) Calculate its area.

2 marks

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

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

$$\underset{\scriptstyle ^-8 \quad ^-7 \quad ^-6 \quad ^-5 \quad ^-4 \quad ^-3 \quad ^-2 \quad ^-1 \quad 0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8}{\longleftarrow\!\!\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!+\!\!\!\!\longrightarrow}$$
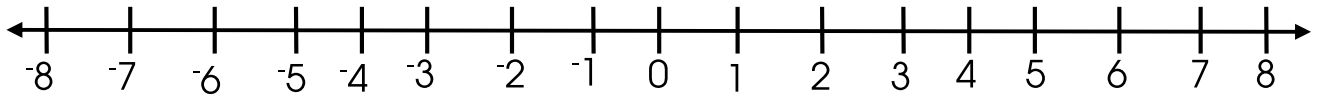
	b) temperature of a certain liquid was found at 20°C and later it dropped by 7°C. What was the new temperature? 2 marks		c)What is the range of $^-4$ and $^-1$? 1 mark

26.	With aid of a pencil, a ruler and a pair of compasses only, construct a regular hexagon in a circle of radius 3cm. 4 marks

27.	**The mother went with sh.50,000 and bought the following items.**
	    2kg of meat at sh. 11,000per kg
	    1 bar of soap at sh.5,000
	    1 ½ kg of sugar at sh.4,200@kg.
	a) What is the cheapest item?
	
	1 mark
	
	b) Find the mother's total expenditure. 2 marks

28.	**Given that set W = {all vowels}, T = {i,o,b,c,d}** a) Represent set **W** and **T** on the Venn diagram below. **W** **T** 3 marks b) How many members are in set W? 2 marks

29.	Workout: (a) $\frac{1}{2}$ of $10 + 15 \div 5$ 2 marks	b) Find the mean of 0.2 and 4 2 marks

c) Find the place value of 2 in the number 213_{five}

2 marks

30.	a) Prime factorize 12 and 18 (write the answer in set notation) 2 marks	b) Represent the prime factors on the factor diagram below. 2 marks F_{12} F_{18}

31. Arrange $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}$ in ascending order. 2 marks

Reduce $\frac{6}{8}$ to its lowest form 2 marks

Find the reciprocal of $\frac{2}{5}$ 2 marks

32. **The table below shows the marks scored by pupils in a mathematics test. Use it to answer questions that follow.**

Marks scored	80	70	90	60
Number of pupils	2	3	1	4

a) How many pupils sat for the test? 2 marks

c) Calculate the mean 2 marks

b) Find the mode 2 marks

END