

# THE PEARL EDUCATIONAL CONSULT

## END OF YEAR EXAMINATION-2023

### PRIMARY FOUR

### 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:


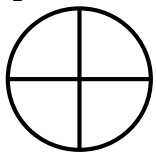

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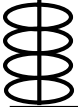


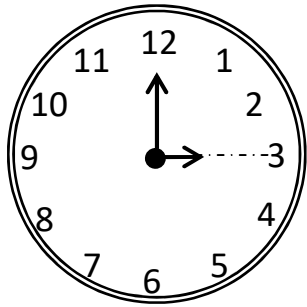
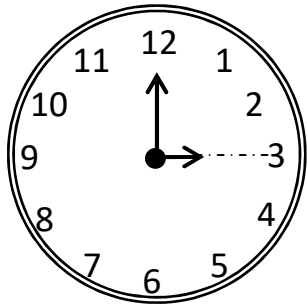


FOR EXAMINERS’ USE ONLY		
Qn. No.	MARKS	EXR’S No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 50		
51		
52		
53		
54		
55		
TOTAL		

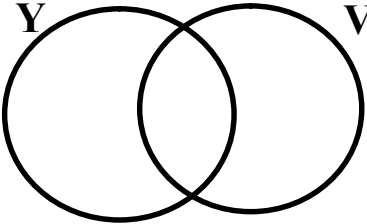


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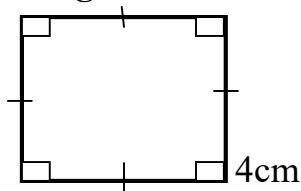
## SECTION A: 40 MARKS

1.	Add: $8 + 10$	2.	<b>Find the next number in the sequence</b> 3, 6, 9, 12 _____
3.	<b>Name the set symbol below.</b> 	4.	Change 4 metres to centimetres
5.	Shade $\frac{2}{4}$ of the figure below. 	6.	Write 37 in roman numerals
7.	How many weeks are in 21 days?	8.	Add: $\frac{1}{2} + \frac{1}{3}$
9.	Nagayi bought a sweater at sh 35,000 and later sold it at sh.40,000. What was her profit?	10.	Workout:  + 4 = 11
11.	Using a pencil and a ruler, draw a cylinder	12.	Find the next two equivalent fraction of $\frac{3}{4}$

13.	Given that set $T = \{2, 4, 6, 7, 5\}$ find $n(T)$	14.	Use $>$ , $<$ or $=$ to complete the mathematical sentence below.  7days _____ a week
15.	What number has been expanded to give $(2 \times 1000) + (3 \times 100) + (3 \times 1)$	16.	By division list all factors of 12.
17.	Write the number shown on the abacus in words.  <div style="text-align: center;"> <div style="display: inline-block; text-align: center; margin-right: 20px;"> <b>H</b>   </div> <div style="display: inline-block; text-align: center; margin-right: 20px;"> <b>T</b>   </div> <div style="display: inline-block; text-align: center;"> <b>O</b>   </div> </div> 	18.	Tell the time shown on the clock face.  
19.	What number is represented by the tallies below?  	20.	Given that  represents 4 balls,  Draw balls to represent 16 balls.

	<b>SECTION B :60 MARKS</b>	
21.	<b>Given that set <math>Y = \{1,2,3,4,5\}</math> and <math>V = \{2,3,7,9\}</math></b>	
	Show the above information on a Venn diagram <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> <b>Y</b>   </div> <div style="margin-left: 20px;"> <b>V</b>            3 marks         </div> </div>	b) Find $n(Y \cap V)$ <div style="text-align: right;">2 marks</div>
22.	<b>a) Fill in the missing numbers</b> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-right: 10px;"> </div> <math>\times 3 = 18</math> </div> <div style="text-align: right;">2 marks</div>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-right: 10px;"> </div> <math>\div 2 = 6</math> </div> <div style="text-align: right;">2marks</div>
	b) I think of a number, add 3 to it; the result is 10. What is the number? <div style="text-align: right;">2marks</div>	
23.	a) Round off 457 to the nearest tens <div style="text-align: right;">2marks</div>	b) What is the value of 3 in 312? <div style="text-align: right;">2marks</div>
	c) Write XXIII in Hindu Arabic numerals <div style="text-align: right;">2marks</div>	

24. Study the figure below and answer the questions that follow.



a) Find the area of the figure.

2marks

b) Calculate the distance around the figure.

2marks

25. The mother went shopping and bought the following items

A kg of sugar at sh. 5500

A loaf of bread at sh. 3500

A bar of soap at sh. 5000

A kg of rice at sh. 4000

a) What is the most expensive item?

1 mark

b) If one buys 2kg of rice, how much will he pay?

2marks

b) How much did the mother spend altogether?

2marks

26. The sum of the digits in the figure below vertically, horizontally and diagonally are equal.

5	0	A
C	4	B
D	8	3

i) A

ii) B

iii) C

iv) D

2marks

b Find the value of

1mark

i) A =

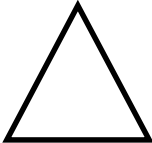
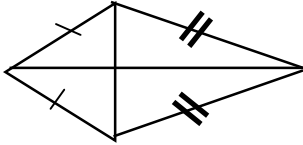
ii) B =

1mark

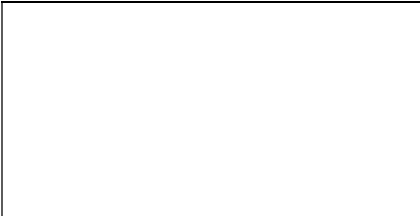
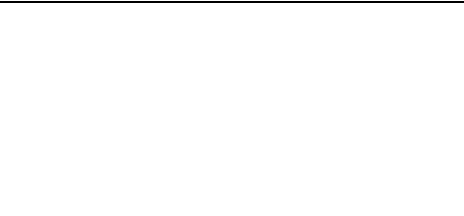
	iii) C 1mark		iv) D 1mark
27.	a) Express $4\frac{1}{4}$ as an improper fraction 2 marks		b) Arrange $\frac{2}{4}, \frac{1}{4}, \frac{3}{4}$ starting from the biggest. 2 marks
28.	Using a pencil and a ruler, draw a rectangle of sides 6cm and 4cm 4 marks		
	Workout the perimeter of the figure. 2 marks		

29.	<b>Use the digits 4,7,8 to answer the questions that follow.</b> Form the smallest 3 digit number using the above digits. <div style="text-align: right;">1 mark</div>	
	Form the largest 3 digit number using the above digits. <div style="text-align: right;">2 marks</div>	Find the sum of the smallest and the largest numbers formed above. <div style="text-align: right;">2 marks</div>

30.	<b>Name the shapes below.</b>	
		
	1 mark @	

	<b>Draw the shapes below.</b>	
		
	square	cone
	1 mark @	












  

31.	<b>Workout the following</b>	
	a)    M            CM 4            45 +    7            36 <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/>	(b)   Weeks      Days 6            4 -    2            3 <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/>
	2 marks @	

	Kg            gm 20            250 - 16           850 <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/>	<div style="text-align: right;">2 marks</div>
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32. The graph below shows the number of books given to different class in Wisdom Junior school. Use it to answer the questions that follow.

CLASS	BOOKS
P.1	 
P.3	    
P.4	  
P.6	

- a) Which class got the least number of books? 1 mark
- b) Find the number of books given out to P.4 class. 1 mark
- c) How many books did P.1 and P.3 get? 2 marks
- d) Calculate the total number of books given to the 4 classes. 2 marks

**END**