



**PACE – PREPARE A CHILD EXAMINATION BOARD**  
**PRIMARY FIVE BEGINNING OF TERM ONE EXAMINATION**  
**2025**

**MATHEMATICS**

*Time Allowed: 2 hours 30 minutes*

**Pupil's Name:** .....

**Pupil's Signature:** .....

**School Name:** .....

**District Name:**.....

**Read the following instructions carefully:**

1. Do not forget to write your **school** and **district name** on this paper.
2. This paper has two sections: **A** and **B**.  
Section **A** has **20** questions and Section **B** has **12** questions. The paper has **12 printed pages** altogether
3. Answer **all** questions. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** working must be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than graphs and diagrams will **not** be marked.
5. **No calculators** are allowed in the examination room.
6. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the table indicated: **"For Examiners' Use only"** and boxes

<b>FOR EXAMINERS' USE ONLY</b>		
<b>Qn.No.</b>	<b>MARKS</b>	<b>EXR'S NO.</b>
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
<b>TOTAL</b>		

**SECTION A: 40 MARKS**

Answer **all** questions in this Section  
Questions **1** to **20** carry two marks each

1. Workout: 
$$\begin{array}{r} 287 \\ + 113 \\ \hline \end{array}$$

2. Write 40076 in words.

3. If set **P** = {r , s , t , v} and **T** = {4, 5, 6, 7}. Represent set P and set T on a well-drawn Venn diagram.

4. Convert 72 hours to days.

5. Given that  represents 8 balls. Draw pictures to represent 48 balls.

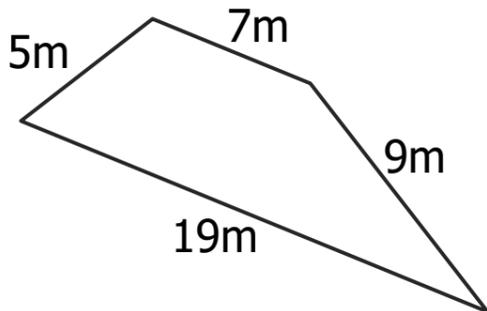
6. A bus carries 64 passengers. How many passengers are carried in 7 buses ?

7. Find the Least Common Multiple (LCM) of 18 and 15.

8. A match started at 3:00p.m. and ended at 4:30p.m. How long was the match?

9. Simplify: 8 boys + 6 girls – 2 boys + 2 girls.

10. Find the total distance around the geometric figure below.



11. Workout:

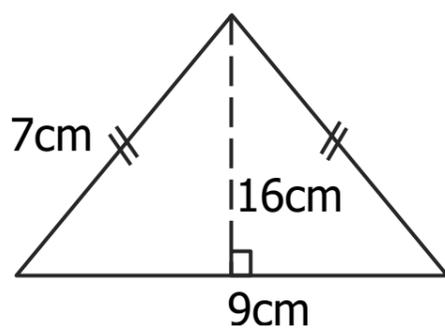
	weeks	Days
	5	3
	- 2	6
	<hr/>	
	<hr/>	

12. Express 240 minutes as hours.

13. Given that  $m = 7$ , find the value of  $3m - 15$ .

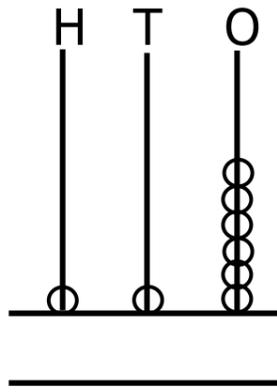
14. Workout:  $\frac{3}{4} - \frac{2}{3}$

15. Workout the area of the figure below.



16. Round off 897 to the nearest tens.

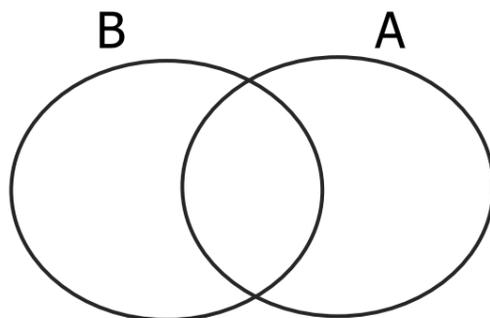
17. Express the number on the abacus below in Roman Numerals.



18. Express  $\frac{43}{7}$  as a mixed number.

19. In a bottle top picking game done in a Middle class, John picked 16 bottle tops in 5 rounds. If Alex picked 4 bottle tops per round, how many less bottle tops did John pick than Alex in the 5 rounds ?

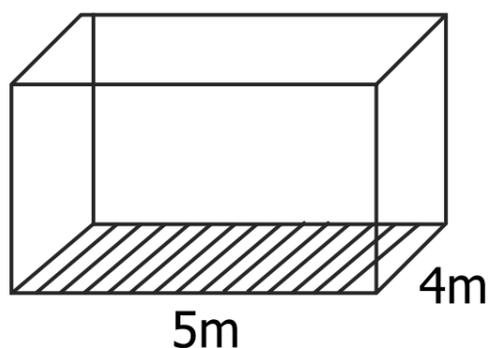
20. Shade set A without set B in the Venn diagram below.



### SECTION B: 60 MARKS

Answer **all** questions in this section  
Marks for each question are indicated in brackets.

21. The figure below shows a cuboid. Study it carefully and use it to answer the questions that follow.



- a) How many vertices are on the top face ? (01 mark)

b) If the height is two times the width, workout the volume of the figure above. (03 marks)

c) Find the total distance around the shaded face. (02 marks)

22. In a class of 80 pupils,  $\frac{2}{5}$  of them are girls and the rest are boys.

a) How many girls are in the class ? (02 marks)

b) How many more boys than girls are in the class ? (03 Marks)

23. Given that  $\mathbf{a} = 5$ ,  $\mathbf{b} = \mathbf{c} = 3$ ,

a) Find the value of  $\mathbf{ab} - \mathbf{ac}$  (02 Marks)

b) Using the above value, solve for m if  $2\mathbf{m} - \mathbf{b} = \mathbf{c}$  (03 Marks)

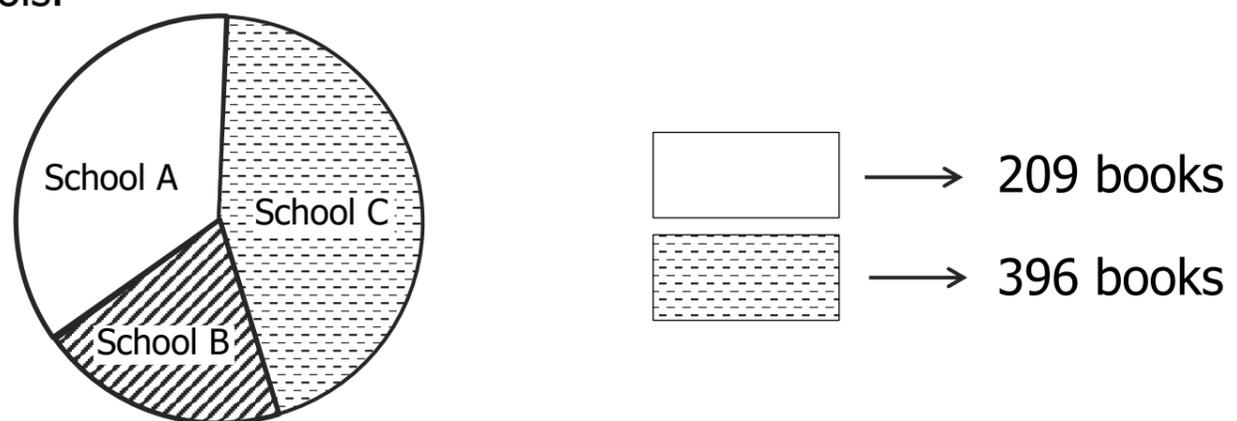
24. a) Express 240 minutes and half hours as hours. (02 marks)

b) It takes John 3 hours and 30 minutes to read a novel. If he started reading the novel at 5:00 a.m., at what time did he stop reading the novel? (02 marks)

25. a) Using a ruler, a pencil and a pair of compasses only, construct a right angle in the space below. (02 marks)

b) Using a ruler, a pencil and a pair of compasses only, construct a square of side length 4.5cm (04 marks)

26. The circle graph below shows how a total 780 books that were distributed to three different schools.



a) How many books did school B get? (02 marks)

b) How many more books did school C get than school B? (02 marks)

c) Express the total number of books in school A and B in Roman numerals  
(02 Marks)

27. a) At a daily market, a pineapple costs sh.5000 and a pawpaw costs sh.500 more than a pineapple. If Mary bought the two items, how much did she pay altogether ?  
(03 marks)

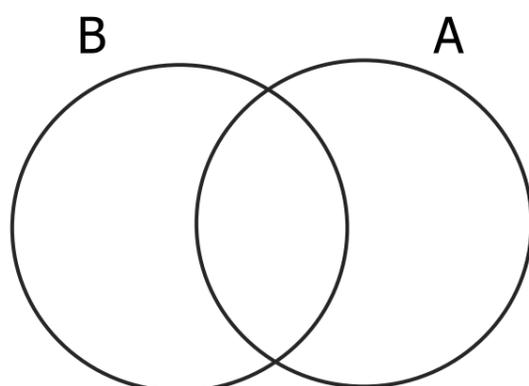
b) A carton of wheat flour contains 12 packets of wheat flour. If Mahn bought 576 packets, how many cartons of wheat flour did he buy ?  
(02 marks)

28. a) Expand 2897 using values. (02 marks)

b) Find the product of 6 and the value of 8 in the above numeral. (03 Marks)

29. Given that Set **A** = {All odd numbers up to 15} , Set **B** = {All whole numbers up to 9}

a) Represent set A and et B on the Venn diagram below. (03 marks)



b) Find  $n(A \cup B)$

(02 marks)

30. Different items at a shop are price tagged as follows.

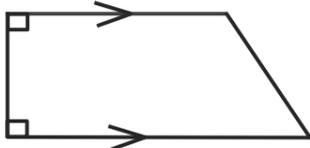
<b><u>Wheat flour</u></b> Sh.7000 a packet	<b><u>cooking oil</u></b> sh.6500 a litre	<b><u>baking powder</u></b> sh.1000
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a) How much money will Randy pay for 2 litres of cooking oil and a packet of wheat flour ? (03 Marks)

b) Find the total cost of all the items shown above.

(02 Marks)

31. The table below shows shapes and their properties. Complete the table below correctly. (04 marks)

Name of shape	Diagram	Number of sides	Number of right angles
Square	.....	4	.....
.....		.....	2

32. By show of working, fill in the missing number in the box;

a)  $\square + 6 = 10$

(02 Marks)

b)  $\frac{\square}{4} = 12$

(02 Marks)