

SECTION A: 40 MARKS

Attempt all questions in this section.

Questions 1 to 20 carry two marks each.

1. Work out:
$$\begin{array}{r} 43 \\ - 12 \\ \hline \end{array}$$

2. Given that set A = {2, 6, 8} and
set B = {1, 3, 4, 5}
Find (A - B)

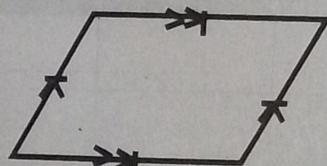
3. Write "ninety - four thousand,
forty - one" in **words**.

4. Add: weeks days
3 5
+ 2 6

5. Find the **area** of a square
whose side is 12m.

6. Find the next **number** in the
sequence:
40, 38, 35, 31, _____.

7. How many **folding** lines of symmetry has the shape?



8. Musoke sold a belt at sh. 12,000 and made a loss of sh. 3,000. Find the **buying price** of the belt.

9. Solve the equation:
 $2k - 4 = 18$.

10. Write the afternoon time shown on
the 12 hour clock.



11. Work out: $2\frac{1}{3} - \frac{1}{4}$

12. Given that $x = 3$, $y = 4$ and $z = -2$.
Evaluate: $xz + y$.

13. If represents 7 balls.. Draw picto symbols to represent 42 balls.

14. Simplify: $-3 - -7$.

15. If set $P = \{2, 5, 7\}$. Fill in the missing two subsets:

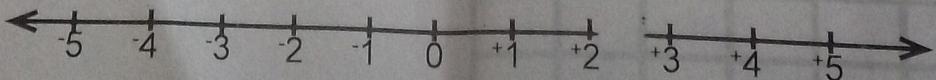
$\{2\}$, $\{5\}$, $\{7\}$, _____, $\{2, 7\}$, $\{5, 7\}$, _____

16. Find the number which has been expanded to become:
 $(5 \times 10^3) + (9 \times 10^2) + (5 \times 10^0)$

17. Shade 3 in the diagram below.
6



18.	Find the median of 30, 70, 80, 30 and 40.	19.	Convert 3500gm to kilograms.			
20.	Calculate the square root of 100.					
SECTION B: 60 MARKS						
<i>Marks for each part</i> <i>The question are indicated in the brackets.</i>						
21.a)	Use a ruler, a pencil and a pair of compasses only and construct an equilateral triangle and a circle of radius of 4cm.	(04 Marks)				
(b)	Work out its perimeter.	(02 Marks)				
22.a)	Work out: $+3 + -5$ using the number line below.	(03 Marks)				



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P6 MATHEMATICS MID - TERM 1 EXAMINATIONS - 2024

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TEACHER'S GUIDES & PUPIL'S COMPANIONS

(b)

Find the integer which is 6 steps on the right of -2. (02 Marks)

23.

Arrange $\frac{2}{3}$, $\frac{1}{4}$ and $\frac{1}{6}$ in ascending order. (05 Marks)

24.

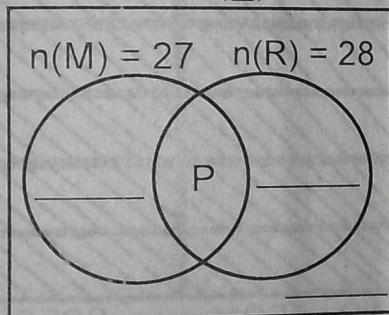
In a class of 50 pupils, 27 pupils eat Matoke (M), 28 pupils eat rice (R), P eat both Matoke and rice while 3 pupils do not eat any of the two kinds of food.

(a)

Use the above information to complete the venn diagram below

(03 Marks)

$$n(\Sigma) = 50$$



(b)

How many pupils eat both kinds of food? (02 Marks)

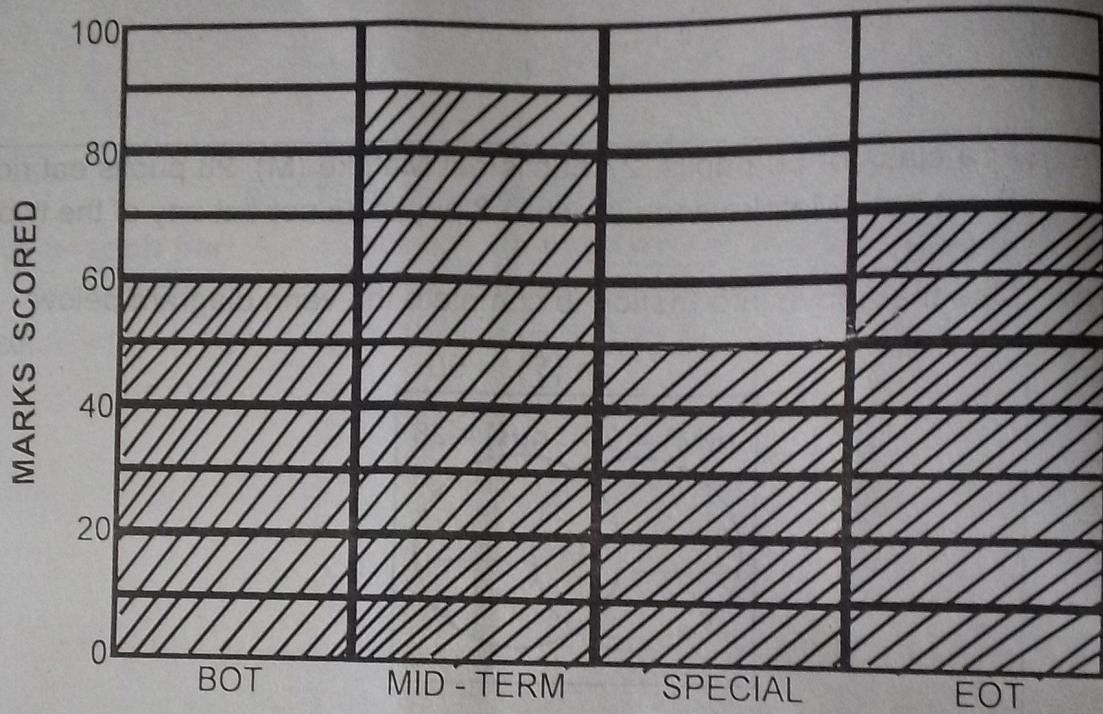
25.a)

Change 46 to base five. (02 Marks)

(02 Marks)

(b) Work out: 342_{five}
- 134_{five}

26. The table below shows the scores of Mariam in the four various examinations when she was in primary five 2023. Use it to answer the questions that follow.



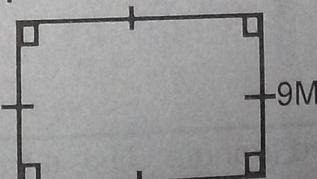
SET OF EXAMINATIONS

- (a) In which examinations did she score the:
(i) highest mark? (01 Mark)
(ii) lowest mark? (01 mark)
- (b) Find her average mark in the four papers. (03 Marks)



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	27.a) An examination began at 8:45 a.m. and ended at 11:00a.m. How long did it last? (02 Marks)
	(b) A bus covered 240km in 4 hours. Calculate the speed it used in km/h. (02 Marks)
	28.a) Simplify: $2y + 3x + 7y + 2x$. (02 Marks)
	(b) Solve for the equation: $P + 7 = 19$. (03 Marks)
29.	PQRS is a square, use it to answer the questions that follow.  (a) Calculate the area in M^2 . (02 Marks) (b) Change the area in cm^2 if $(1m^2 = 10,000cm^2)$. (02 Marks) (c) Find the perimeter of the square in M. (02 Marks)

30.a)	Find the LCM of 12 and 18. (02 Marks)	(b)	Work out the sum of even numbers between 11 and 19. (02 Marks)
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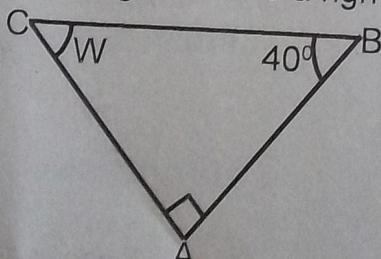
31. David went to the shop and bought the following items:

Item	Quantity	Unit cost	Total cost
Bread	3 loaves of bread	sh. 5500 per loaf	sh. _____
Blue band	_____ tins	sh. 5000 per tin	sh. 20,000
Milk	2 litres	sh. _____ per litre	sh. 4,000
Total			sh. _____

(a) Complete the blank spaces. (04 Marks)

(b) If he had sh. 50,000 note. Find his change. (02 Marks)

32.a) The triangle ABC is a right angled triangle. Use it to find the value of W. (02 Marks)



(b) Calculate the size of angle P. (02 Marks)

