

THE SPECTRUM EXAMINATIONS HUB
MID TERM I EXAMINATION, 2024
P.5 MATHEMATICS

Time allowed 2hours 30 minutes

PUPIL'S NAME _____

SCHOOL NAME _____

DISTRICT NAME _____

Read the following instructions carefully

1. This paper has **two** Sections: **A** and **B**.
2. Section **A** has 20 answer questions (40 marks).
3. Section **B** has 12 questions (60 marks)
4. Answer **ALL** questions. Answers to both sections must be written in the spaces provided.
5. All answers must be written using blue ink/pencil. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the box indicated for examiner's use only.

SECTION A (40 marks)

1. Workout: 2 2

$$\begin{array}{r} +1 \quad 3 \\ \hline \hline \end{array}$$

2. Write in **2023** words.

3. Given that set $K = \{\text{vowel letters}\}$. Find $n(k)$.

4. Find the missing number.

$$\square - 6 = 7$$

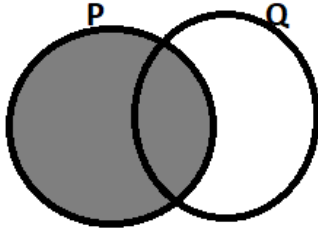
5. Given that one book costs sh.2500. Find the cost of 3 similar books.

6. Express 44 in roman numerals.

7. Draw a square in the space below.

8. Round off 496 to the nearest tenth.

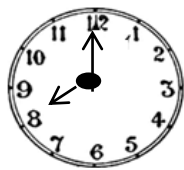
9. Describe the unshaded region.



10. Share 412 sweets among 4 boys.






11. How likely is it to rain on a day that starts with letter “T”?

12. Tell the time.



13. Find the L.C.M of 6 and 8.

14. Workout: $\frac{3}{7} + \frac{1}{7} + \frac{3}{7}$

15. Given that  represent 5 cups. How many cups are represented    ?

16. Change $6\frac{2}{3}$ to an improper fraction.

7. Find the next number in the sequence.

0, 3, 4, 7, 8, 11, 12, _____

18. Draw a line segment AB of 5cm.

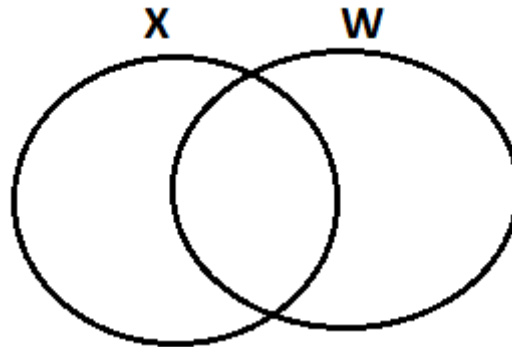
19. If 1litre = 1000ml, change 3 litres to millilitres.

20. Natasha bought a dress at sh.30,000/= and later sold it to a friend at sh.25,000/=. Find the loss Natasha made.

SECTION B (60 marks)

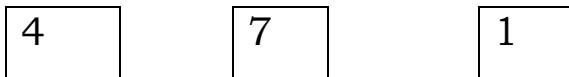
21. Given that set $w = \{m, o, n, k, e, y\}$ and $x = \{d, r, o, n, e\}$

(a) Represent the given information on a Venn diagram.



(b) List all the sub sets that can be formed from set $x \cap w$.

22. Given the number card



(a) Form all the 3-digit numbers that can be formed from numbers above

(b) Find the difference between the highest and the lowest number formed.

23. Given that $a = 2$, $b = 4$ and $c = 5$, find the value of the following;

(a) $c + a$

(b) $b + c + a$

(c) $\frac{c \times a}{a}$

24. Use $>$, $<$ or $=$ to complete the statements given below.

(01 each)

(a) 1 week _____ 7 days.

(b) $\frac{1}{2}$ kg _____ 1000grams.

(c) $\frac{1}{4}$ _____ $\frac{1}{2}$

(d) $2 + 4 \times 3$ _____ $2 + 4 + 3$

25. Given the numeral: 63, 245;

(a) Write the numeral in words.

(b) Workout the sum of the values of 3 and 4 in the numeral above.

26. (a) Change 14_{five} to base ten.

(b) Add:
$$\begin{array}{r} 2 \quad 3 \quad 4_{\text{five}} \\ + 1 \quad 2 \quad 0_{\text{five}} \\ \hline \end{array}$$

(c) Subtract:
$$\begin{array}{r} 4 \quad 3 \quad 2_{\text{five}} \\ - 1 \quad 2 \quad 3_{\text{five}} \\ \hline \end{array}$$

27. Mr. Waidubha has a shopping list below. Study it carefully and answer the questions.

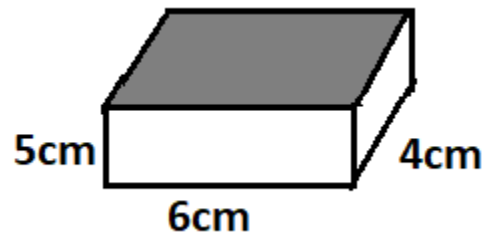
A kg of rice	Sh.4,200
A loaf of bread	Sh.2,700
A kg of sugar	Sh.3,000
A litre of cooking oil	Sh.9,000

(a) How much would he pay for 2kg of rice?

(b) Calculate his total expenditure.

(c) If he had 25,000/=, calculate the change he was given?

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



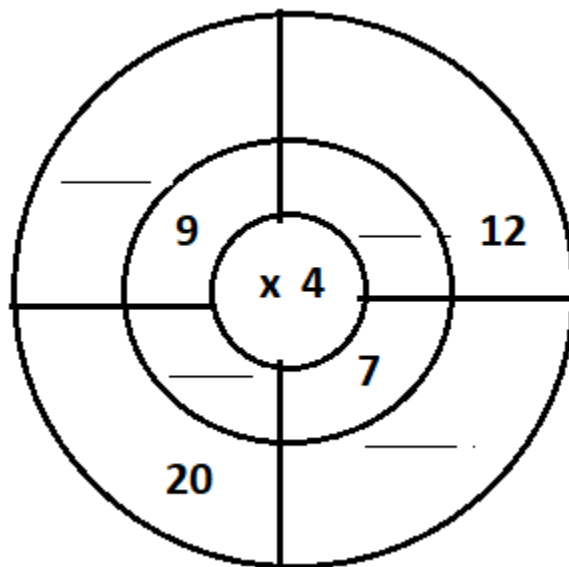
- (a) Find the number of; (01 mark)
- (i) Faces_____
- (ii) Vertices_____
- (iii) edges_____
- (b) Find the area of the shaded region. (02 marks)
29. (a) Using a pencil, ruler and a protractor only,
draw a square of side 4cm.

(c) Calculate its perimeter.

30. (a) I walked $\frac{3}{11}$ of the journey in the morning and $\frac{4}{11}$ in the afternoon. What fraction of the journey did I walk?
(02 marks)

- (b) A jerrycan is $\frac{3}{7}$ full of water. If I use $\frac{2}{7}$ of water, what fraction of water remains?
(02 marks)

31. Complete the puzzle below.



32. Study the pictograph below and answer the questions that follow.

Day	Number of eggs collected
Sun	0 0 0 0
Mon.	0 0 0
Tue	0 0 0 0 0
Wed	0 0
Thur.	0 0 0

0 Represents 10 eggs.

- (a) On which day was the highest number of eggs collected?
- (b) On which days were the same number of eggs collected?
- (d) How many eggs were collected on Sunday?
- (e) How many more eggs were collected on Tuesday than on Wednesday? |

THE END