

# **BEAM EDUCATIONAL SERVICES**

## **BEGINNING OF TERM I EXAMINATIONS 2023**

### **PRIMARY FIVE**

### **MATHEMATICS**

TIME ALLOWED: 2 HOURS 30 MINUTES

Name: \_\_\_\_\_

School: \_\_\_\_\_

District: \_\_\_\_\_

DO NOT OPEN THIS BOOKLET UNTIL  
YOU ARE TOLD TO DO SO.

Read the instructions carefully.

1. This paper has two sections: A and B.
2. Answer all questions. All answers to both Sections A and B must be written in the spaces provided.
3. All answers must be written using a blue and black ball – point pen or ink. Diagrams should be drawn in pencil.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot be read may lead to loss of marks.
6. Do not fill anything in the box indicated "For Examiner's Use Only" and those inside the questions paper.

#### EXAMINER'S USE ONLY

Qn. No.	Marks	Final Mark
1 – 10		
11 – 20		
21 – 30		
31 – 32		
TOTAL		
Turn Over		

SECTION A (40 marks)

1. Work out:

$$\begin{array}{r} 1 \quad 2 \\ \times \quad 3 \\ \hline \\ \hline \end{array}$$

2. Write XXIV in Hindu Arabic numerals.

3. Given that set  $X = \{\text{All even numbers between 1 and 10}\}$ . Find  $n(X)$ .

4. Write  $1\frac{2}{5}$  as an improper fraction.

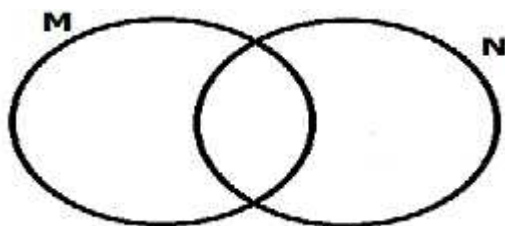
5. Find the next number in the sequence: 5, 7, 9, 11, 13, \_\_\_\_\_

6. Find the unknown number in  $\square - 3 = 7$

7. Write 4392 in expanded form.

8. Andrew is 9 years old and Betty is 12 years old. By how many years is Andrew younger than Betty?


9. Shade the region representing  $M \cap N$  on the Venn diagram below.



10. How many sh. 200 coins can be exchanged for one note of sh. 1000?

11. How many days are in 5 weeks?

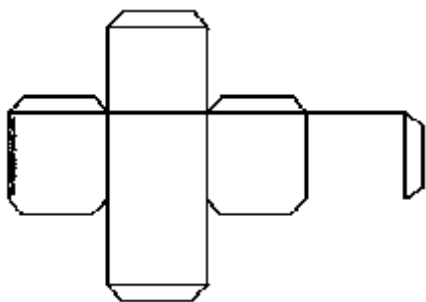
12. Find the sum of the first 4 multiples of 3?

13. Given that  represents 12 houses. How many houses are represented by:



14. Muto's salary of Sh. 42, 000 was reduced by Sh. 2000. Calculate his new salary.

15. Name the figure whose net is given below.



16. Round off 768 to the nearest ten.

17. Find the LCM of 8 and 12.

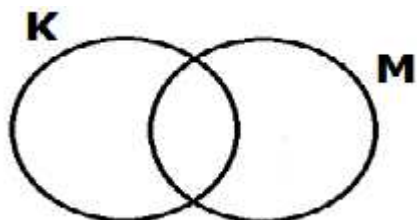
18. Mummy bought 4 half-litre packets of milk. How many litres of milk did she buy?
19. Work out:  $(7 + 8) - 9$
20. What is the sum of  $\frac{3}{11}$  and  $\frac{6}{11}$ ?

### Section B (60 marks)

21. Below is a price list of a certain Supermarket. Use it to answer the questions that follow.

A Kg of sugar at sh. 7000  
 1 litre of milk at sh. 2400  
 A loaf of bread at sh. 3200  
 One kilogram of meat at sh. 10,000

- (a) Name the most expensive item on the list. (1 mark)
- (b) Amanywa went to the supermarket and bought a litre of milk and a loaf of bread. How much money did he pay? (2 marks)
- (c) How much more does a kilogram of meat cost than a kilogram of sugar? (2 marks)
22. Given that set  $K = \{ 1, 3, 5, 7, 9 \}$  and set  $M = \{ 4, 5, 6, 7, 8, 9 \}$ .
- (a) Show the information on the Venn diagram below. (3 marks)



(c) Find  $n(K \cap M)$  (1 mark)

23(a) Write "Twelve thousand four hundred eighteen" in figures. (1 mark)

(b) What is the difference between the values of 5 and 7 in the number 6572? (3 marks)

(c) Work out  $20 \text{ tens} \times 5 \text{ ones}$ . (2 marks)

24. Solve the following equations.

(a)  $\square + 9 = 12$

(b)  $24 \div \square = 8$  (2 marks each)

(c)  $\square \times 3 = 21$

25(a) How many months are in 3 years? (2 marks)

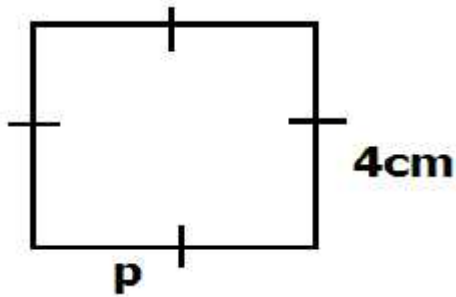
(b) Work out:      Weeks      Days (1 mark)

$$\begin{array}{r} 7 \quad 6 \\ - 2 \quad 3 \\ \hline \end{array}$$

(c) Tell the time shown on the clock face below. (2 marks)



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



(a) Name the figure above. (1 mark)

(b) Find the value of  $p$ . (1 mark)

(c) Calculate the area of the figure. (2 marks)

27(a) Multiply 143 by 4 (2 marks)

(b) 60 oranges were put into 5 heaps . If all the heaps contained the same number of oranges, how many oranges were in each heap? (2 marks)

(c) A boy counted 268 cars on Monday. On Tuesday, he counted 25 more cars than he counted on Monday. How many cars did he count on Tuesday? (2 marks)

28. There are 50 pupils in P. 4 P.  $\frac{2}{5}$  of the pupils in the class are girls:

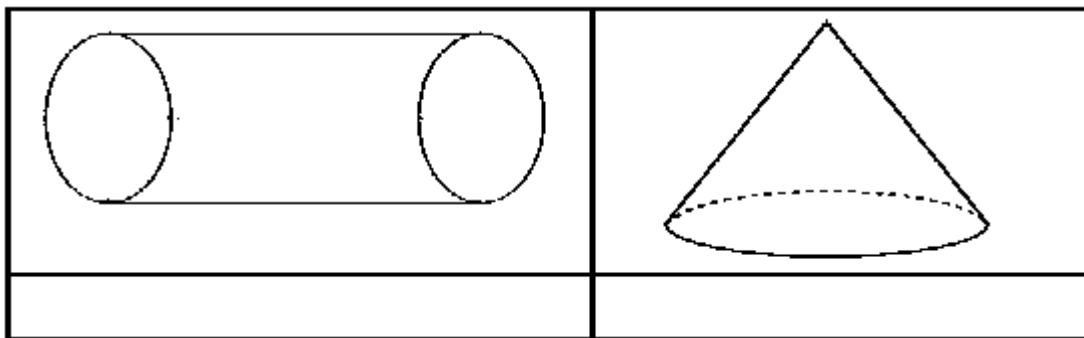
(a) Find the fraction of boys in the class. (2 marks)

(b) How many girls are there? (2 marks)

(c) Find the number of boys in the class. (2 marks)

29(a) Draw a shape formed by joining straight lines. (2 marks)

(b) Name the shapes below. (1 mark each)



30(a) What is the sum of the first 4 odd numbers? (2 marks)

(b) List all even numbers between 10 and 24. (2 marks)

(c) Find all the factors of 15. (1 mark)

31. Use  $<$ ,  $>$ , or  $=$  to complete the mathematical statements given below. (1 mark each)

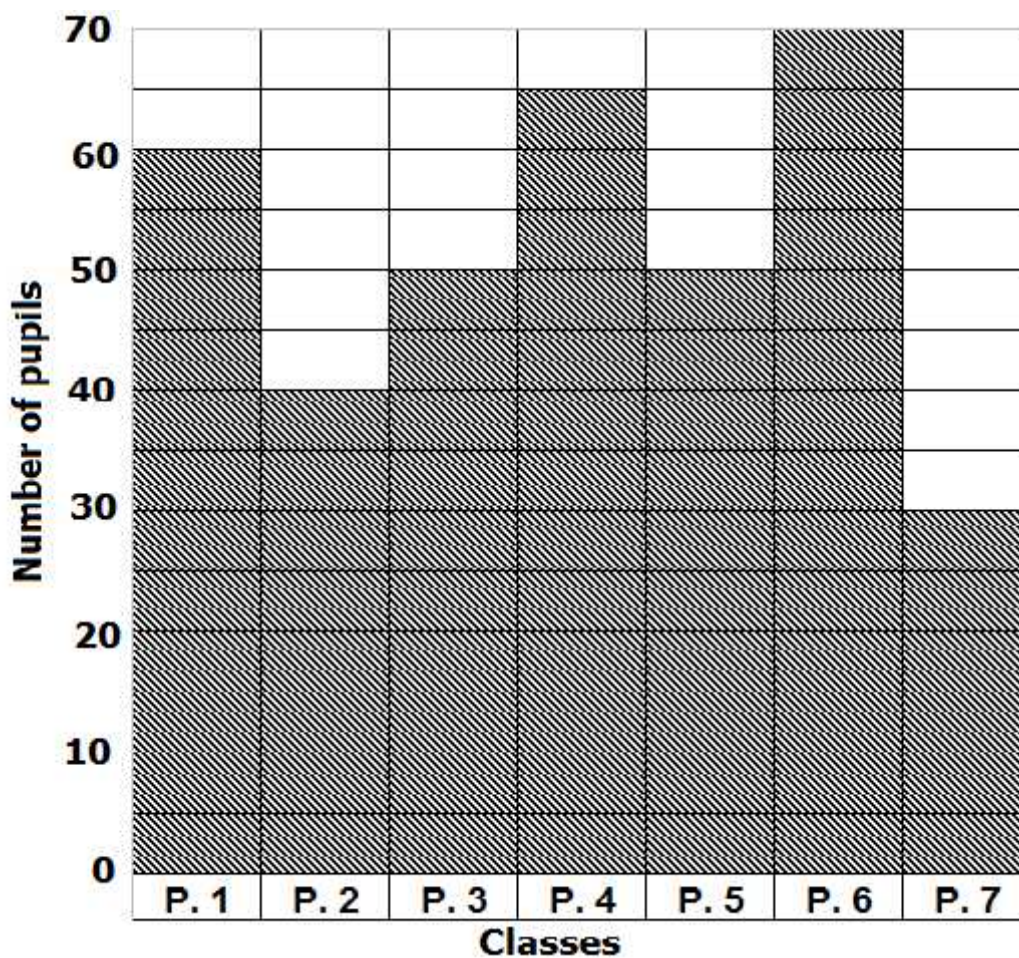
(a) 2m \_\_\_\_\_ 100cm

(b) XIX \_\_\_\_\_ XXIV

(c)  $\frac{1}{3}$  \_\_\_\_\_  $\frac{3}{9}$

(d)  $15 \times 1$  \_\_\_\_\_  $15 - 0$

32. Study the bar graph below and answer the questions that follow.



(a) Name the class which has the least number of pupils. (1 mark)

(b) Name the two classes that have the same number of pupils. (2 marks)

(c) Calculate the total enrolment in that school. (2 marks)