



INDIAN SCHOOL AL WADI AL KABIR

Mid Term Examination (2025-26)

Class: VII

Sub: MATHEMATICS

Max Marks: 80

Date: 21-09-2025

Set- I

Time: $2\frac{1}{2}$ hours

General Instructions:

1. This question paper contains 4 sections, Sections A to D
2. All questions are compulsory.
3. Section A has 20 questions carrying 1 mark each.
4. Section B has 5 questions carrying 2 marks each.
5. Section C has 6 questions carrying 3 marks each.
6. Section D has 8 questions carrying 4 marks each.
7. This question paper contains **6** pages.

Section A: Multiple Choice Question (Q.1 to Q.15) of **1** mark each

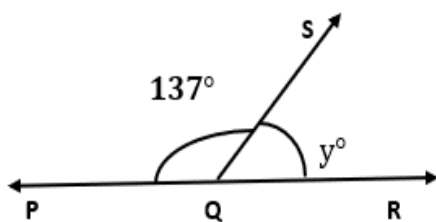
1. The runs scored in a cricket match by 11 players is as follows:
6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15. The range of this data is:

A 50 **B** 120 **C** 114 **D** 80

2. Which of the following pairs of numbers make a sum of (-10)

A $(-15, 5)$ **B** $(-10, 20)$ **C** $(-19, -10)$ **D** $(18, -8)$

3. In the adjoining figure, the value of 'y' =_____.



A 47° **B** 43° **C** 53° **D** 180°

4. $\frac{1}{\square} \times \frac{3}{4} = \frac{3}{20}$. Find the missing number.

A 4 **B** 10 **C** 5 **D** 3

5. Identify the equation with a variable in the following:

A $x + 5 < 19$ **B** $q - 3 > 19$ **C** $3a + 1 = 14$ **D** $7 + 5 = 12$

6. $5675.3 \div 1000 = \underline{\hspace{2cm}}$.

A 567.53 **B** 5.6753 **C** 56753000 **D** 56.753

7. The value of "n" in the equation $7n + 5 = 19$

A -2 **B** -4 **C** 1 **D** 2

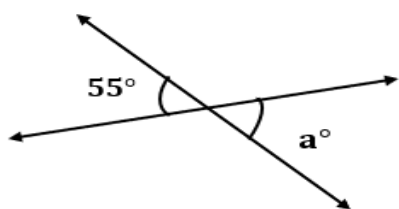
8. If two angles are complementary, then the sum of their measures is _____.

A 90° **B** 100° **C** 180° **D** 60°

9. Name the property: $-13 \times (-15 \times 12) = (-13 \times -15) \times 12$

A Multiplicative Identity **B** Associative property **C** Distributive property **D** Multiplicative inverse

10. The value of 'a' in the given figure is:



A 35° **B** 125° **C** 55° **D** 45°

11. The marks (out of 100) obtained by a group of students in a mathematics test are 85, 76, 90, 85, 95, 81 and 75. The median of the marks obtained is:

A 81 **B** 85 **C** 95 **D** 75

12. Which of the following pairs of angles are supplementary?

A 140° and 60° **B** 75° and 85° **C** 110° and 70° **D** 80° and 90°

13. $96 \div (-3) = \underline{\hspace{2cm}}$.

A -21 **B** -32 **C** 31 **D** -36

14. An equation for “The sum of three times a number and 17 is 62”

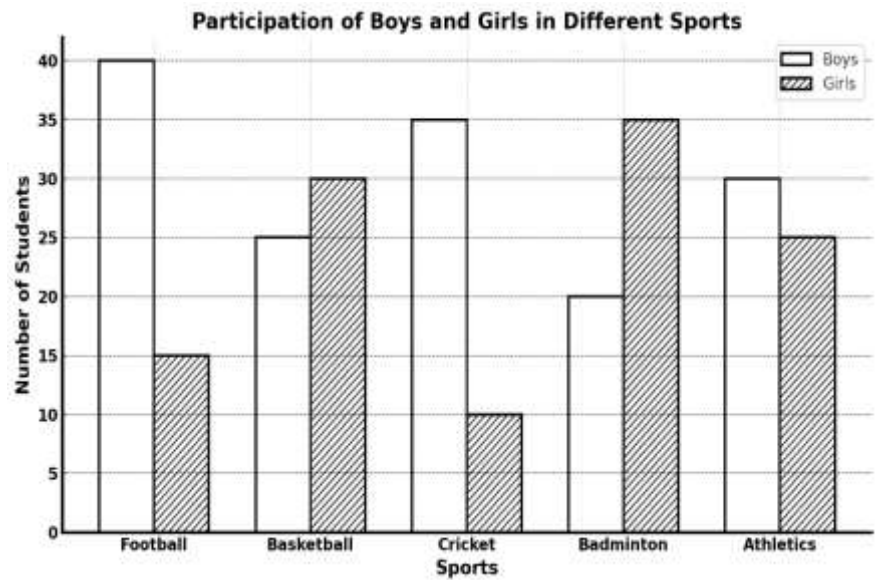
A $3(x + 17) = 62$ B $3x - 17 = 62$ C $x + 17 = 62$ D $3x + 17 = 62$

15. $(-25) \times 0 \times (-18) = \underline{\hspace{2cm}}$.

A 450 B -200 C 0 D -43

16. Source based Question
(5 Marks):

A school conducted a sport meet in which the number of students who participated in various events is given. Observe the graph and answer the following questions:



I Which sport had the highest number of boys participating?

A Cricket B Basketball C Foot ball D Athletics

II What is the total number of students who participated in the athletics?

A 15 B 25 C 5 D 55

III Which sport had the highest number of girls participating?

A Football B Badminton C Athletics D Cricket

IV How many more girls than boys participated in basketball?

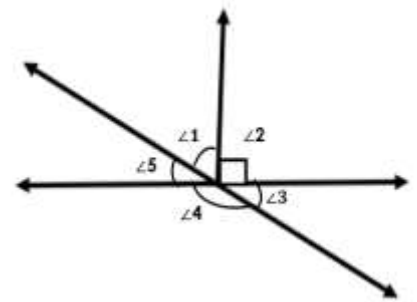
A 25 B 15 C 5 D 30

V How many students in all took part in the sports meet?

A 265 B 260 C 205 D 400

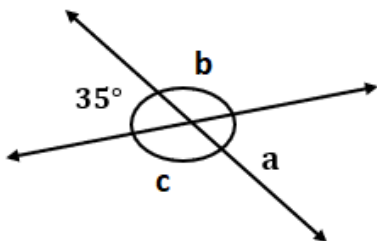
Section B: Short Answer Questions (Type – 1) of 2 marks each (Q.17 to Q.21)

17. Solve: $3x + 12 = 54$
18. A player got the following points in a game: (-5) , 75, (-50) and 15. What is the final score of the player?
19. Babu purchased 4.5 kg of sugar at the rate of ₹ 24 per kg. How much money should he pay?
20. Heights (in cm) of 5 children are given as follows: 156, 137, 163, 150, 144. What is the mean of their heights?
21. In the adjoining figure,
a) Name one pair of adjacent complementary angles
b) If the measure of $\angle 4 = 160^\circ$, then the measure of $\angle 3 = \underline{\hspace{2cm}}$.



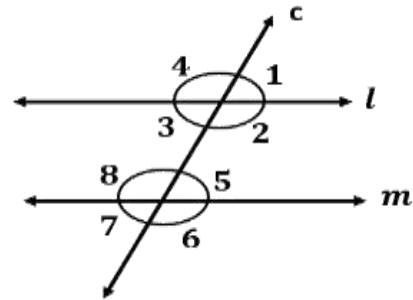
Section C: Long Answer Questions (Type – 1) of 3 marks each (Q.22 to Q.27)

22. Following are the Shoe sizes of students in class VII. Prepare a frequency table for the given data. Also find the **mode** of the data:
- 7, 6, 8, 5, 7, 5, 6, 8, 5, 8,
8, 8, 5, 7, 8, 5, 7, 7, 8, 6,
8, 6, 5, 6, 8, 7, 7, 5, 8, 7
5, 6, 5, 8, 6, 8, 5, 8, 7, 8.
23. Verify the following: $30 \times [13 + (-3)] = [30 \times 13] + [30 \times (-3)]$
24. Find the value of a , b and c from the given figure:



25. Reshma uses $\frac{3}{4}m$ of cloth to stitch a shirt. How many shirts can she make with $2\frac{1}{4}m$ cloth?

26. A group of people visited the carnival, including both children and adults. If the number of children is taken as x , answer the following:
- Write an expression for the statement: "The number of adults who visited the carnival is 5 more than twice the number of children."
 - If the number of adults who visited the carnival is 275, find the number of children.
27. State the property that is used in each of the following statements:
- If $l \parallel m$, then $\angle 1 = \angle 5$
 - If $\angle 3 = \angle 5$ then, $l \parallel m$
 - If $\angle 3 + \angle 8 = 180^\circ$ then, $l \parallel m$



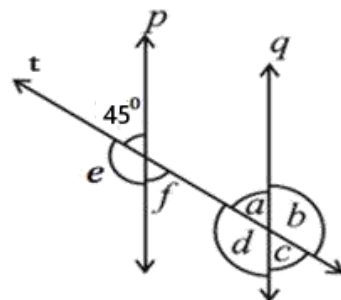
Section D: Long Answer Questions (Type – 2) (Q.28 to Q.33)

& Case study (Q.34 &35) of 4 marks each

28. The temperature at 12 noon was 10°C above zero. If it decreases at the rate of 2°C per hour until midnight.
- Draw temperature-time line and mark the points.
 - At what time would the temperature be 4°C below zero?
 - What would be the temperature at midnight?
29. The table below shows the sales of bicycles in two different shops. Represent the data by drawing a double bar graph:

Sale of bicycles	April	May	June	July
Shop A	800	650	900	700
Shop B	600	800	500	950

30. If $p \parallel q$, and ' t ' is a transversal, then find measures of the angles a, b, c, d, e and f .



31. Jimmy bought a land of length $15\frac{1}{3}m$ and breadth $6\frac{3}{5}m$. Find the area of the land. Also find the cost of leveling the land at the rate of ₹ 20 per square metre.
32. Nina bought 17.5kg of tomatoes and 9.6kg pumpkin. Uma bought 3.250kg of cauliflower and 9.8kg potatoes. Who bought more vegetables and by how much?
33. Ravi went to a food stall. He spent some money for a pizza, ice-cream and a bottle of juice. If the cost of a bottle of juice is '₹ x ', answer the following questions:
- Expression for statement 'The cost of a pizza is 50 more than three times of the cost of a bottle of juice' is:
 - Write an expression for: 'The cost of an ice-cream is 2 times the cost of juice'
 - If the cost of one pizza ₹ 350, how much money he spent on the juice?

34. **Case Study-1**

A magazine has 60 pages of which $\frac{7}{12}$ are for advertising, $\frac{4}{15}$ have only photographs on them and the rest are for articles and stories.

- How many pages have advertisements on them?
- Find the number of pages that have photographs on them.
- How many pages have articles and stories on them?



35. **Case Study-2**



Reesha and her family went to her grandmother's house in a village for a holiday. After the lunch, they all sat together and started playing a game related to their ages using variables. In this context, answer the following questions:

- Reesha said, her father is 3 times as old as her brother. If the brother's age is ' x ' years, write an expression for the father's age.
- If my mother is 5 years younger than the father, then write an expression for the mother's age in terms of the brother's age ' x '.
- Reesha's age is 5 years more than twice her brother's age. If Reesha is 19 years old, find her brother's age.
