Mathematics

Practice Test Paper 3

(Ganita Prakash Part 2 | Chapter 5: Tales by Dots and Lines)

Class VIII | 2026–27

Time Allowed: 45 Minutes | Maximum Marks: 25

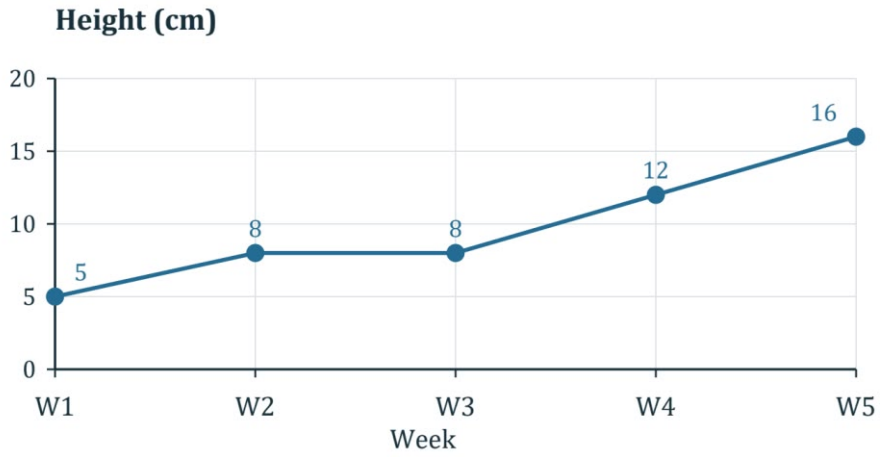
General Instructions

1. All 13 questions are compulsory. The paper has four sections: A, B, C and D.
2. Section A - 5 marks; Section B - 8 marks; Section C - 9 marks; Section D - 3 marks.
3. Choose one correct option in Section A. Show the necessary working in Sections B, C and D.
4. Study the given data and images carefully before answering the related questions.

SECTION A

(5 questions × 1 mark = 5 marks)

1. The graph records a plant's height at weekly checks. In which interval was there no change in height?



(A) Week 2 to Week 3
(B) Week 1 to Week 2
(C) Week 3 to Week 4
(D) Week 4 to Week 5

2. The median of an ordered list of 11 values is the value in position:

(A) 6
(B) 7
(C) 5
(D) 11

3. Which pair can be added to data of mean 15 without changing that mean?

(A) 10 and 15
(B) 12 and 18
(C) 14 and 18
(D) 15 and 17

4. Which formula finds the mean of the values from B4 through F4?

(A) =SUM(B4:F4)
(B) =AVERAGE(B4:F5)
(C) =SUM(B4,F4)
(D) =AVERAGE(B4:F4)

5. A graph gives an average sleep time of 8 hours for a group. Which claim is justified?

(A) The total sleep time divided by the group size is 8 hours

(B) Most people must sleep exactly 8 hours

(C) Every person sleeps exactly 8 hours

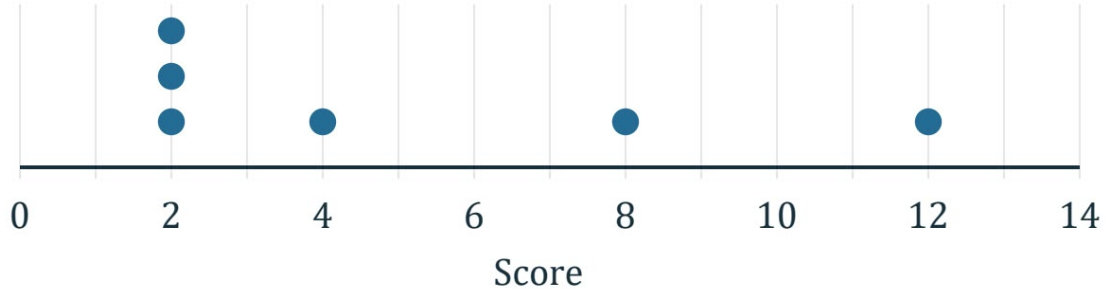
(D) Nobody sleeps less than 8 hours

SECTION B

(4 questions × 2 marks = 8 marks)

6. The numbers 10, 14, 18 and 22 have mean 16. Subtract 6 from every number. Find the new mean without adding all the new values.

7. The dot plot shows six scores. Is their mean the midpoint of the smallest and largest score? Calculate both values to decide.



8. Give two different sets of three distinct positive whole numbers with mean 9. Show their totals.

9. A student divides the total of five values by 4 and reports a mean of 9. Find the correct mean and identify the error.

SECTION C

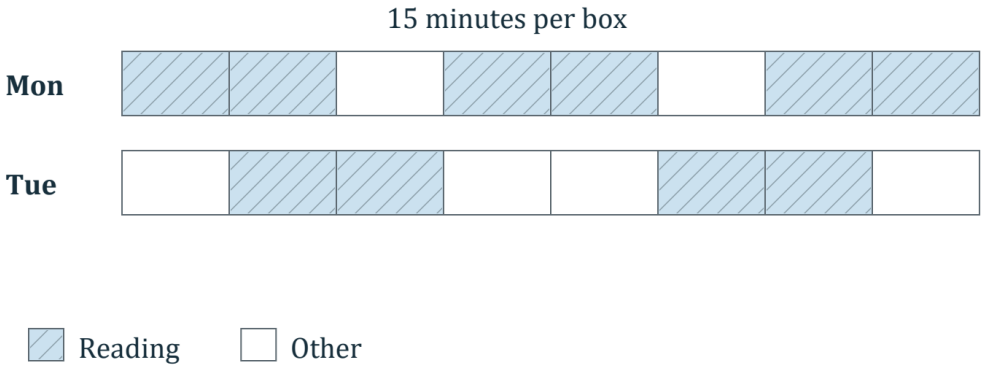
(3 questions × 3 marks = 9 marks)

10. The spreadsheet extract shows marks in three subjects. Find Tara's total, find the mean Maths mark, and write the formula for that mean.

Row	A	B	C	D
1	Name	English	Maths	Science
2	Tara	18	24	21
3	Kabir	20	18	25
4	Lina	22	30	20

11. An ordered list is 5, 9, 12, 18, 21, 24. A new value x is added. Find two different values of x that make the new median equal to 12, and explain your choice.

12. The two activity strips record reading time on Monday and Tuesday. Each box is 15 minutes. Find the total reading time on each day and the average reading time over the two days.



SECTION D

(Application Based Question - 3 marks)

13. A weather club records 10 mm, 25 mm, 15 mm and 30 mm of rainfall on four rainy days. A fifth day has no rainfall.

(i) Find the mean rainfall for the four rainy days.

(ii) Find the mean for all five days.

(iii) Explain why the two means differ.