

Mathematics

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(Chapter - 9) (Data Handling) (Practice Test 3)

(Class VI)

Time: 1 Hour 15 Minutes

M. M: 25

General Instructions:

- This question paper contains four sections: A, B, C and D. Each part is compulsory.
- Section A has 5 MCQ of one mark each.
- Section B has 3 questions of two marks each.
- Section C has 3 questions of three marks each.
- Section D has 2 questions of five marks each, attempt any 1 out of 2.
- There is no negative marking.

Section - A

1. The _____ of each bar gives the required information.
(A) Breadth (B) height (C) length (D) none of these
2. What is a graph drawn using vertical bars called?
(A) A bar graph (B) a line graph (C) a pictograph (D) a pie graph
3. If 0 represents 5 eggs how many eggs does 0000 represent?
(A) 4 (B) 16 (C) 20 (D) 25
4. Which of the following is the probability of an impossible event?
(A) 0 (B) 1 (C) 2 (D) none of these
5. If — — — — stands for 200, what does — — stand for?
(A) 60 (B) 100 (C) 120 (D) 260

Section - B

6. A _____ is a collection of numbers gathered to give some information.
7. A _____ represents data through pictures of objects.
8. The data can be arranged in a tabular form using _____ marks.

Section - C

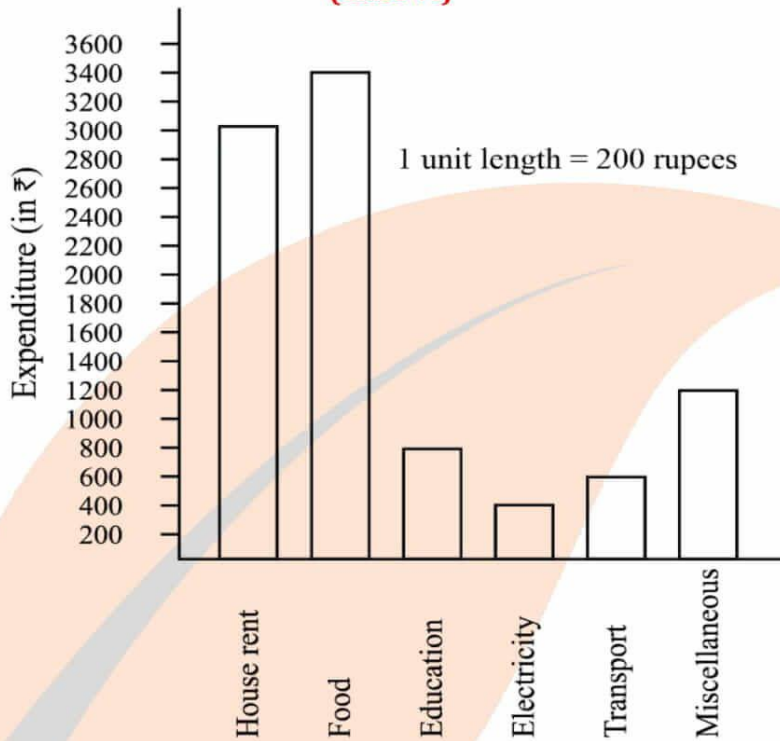
9. True and false statement
(a) In a bar graph, the width of bars may be unequal.
(b) In a bar graph, bars of uniform width are drawn horizontally only.
(c) In a bar graph, the gap between two consecutive bars may not be the same.
10. The below bar graph shows the monthly expenditure of Rajesh family on various household items:
(a) Which item is taking the maximum expenditure?
(b) Which item is taking the least expenditure?
(c) How much Rajesh spent on Food and transport?

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11. Find the range of heights of any ten students of your class.

Section - D

12. Find the mean of the first five whole numbers.

13. Following table shows the points of each player scored in four games:

Player	Game 1	Game 2	Game 3	Game 4
A	14	16	10	10
B	0	8	6	4
C	8	11	Did not play	13

Now answer the following questions:

(i) Find the mean to determine A's average number of points scored per game.

(ii) To find the mean number of points per game for C, would you divide the total points by 3 or by 4? Why?

(iii) B played in all the four games. How would you find the mean?

(iv) Who is the best performer?

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Answers

Section - A

1. Length
2. A bar graph
3. 20
4. 0
5. 100

Section - B

6. Data
7. Pictograph
8. Tally

Section - C

9. (a) False
(b) True
(c) False
10. (a) Food
(b) Electricity
(c) ₹4000

11. Let the heights (in cm) of 10 students of our class be

125, 127, 132, 133, 134, 136, 138, 141, 144, 146

Highest value among these observations = 146

Lowest value among these observations = 125

Range = Highest value - Lowest value = (146 - 125) cm = 21 cm

Section - D

12. First five whole numbers are 0, 1, 2, 3, and 4.

$$\text{Mean} = \frac{0+1+2+3+4}{5} = 2$$

Therefore, the mean of first five whole numbers is 2.

13. (i) A's average number of points = $\frac{14+16+10+10}{4} = 12.5$

(ii) To find the mean number of points per game for C, we will divide the total points by 3 because C played 3 games.

(iii) Mean of B's score = $\frac{0+8+6+4}{4} = 4.5$

(iv) The best performer will have the greatest average among all. Now we can observe that the average of A is 12.5 which is more than that of B and C. Therefore, A is the best performer among these three.