## DATA HANDLING

Subtopic: Mode, Median

## Section 1

1. Mark T for True and F for False

1a. Median is the average of the data.
1b. Mode of the data is always from the given data.
Choose the correct answer.


2a. The mode of the given set of numbers $2,4,3,2,2,1,4,5$ is $\qquad$
a) 1
b) 2
c) 3
d) 4

2b. Out of five brands of chocolate in a shop, a boy must purchase the brand which is most liked by children. What measure of central tendency would be appropriate if the data is provided to him?
a) Mode
b) Median
c) Range
d) Mean
3. Fill in the blanks
$3 a$. The median of the data $24,36,46,17,18,25,35$ is $\qquad$
3b. The mode of $1,1,2,4,3,2,1,2,2,4$ is $\qquad$ .
4. Match the following.

| Column 1 | Column 2 |  |  | Answer here |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mean | Mode | Median |  |  |
| a) $9,25,23,20,9,20,15,10,5,16,25,20,24,12,20$ | 1) 49 | 48 | 48 | a) |  |
| b) $6,15,20,50,100,80,10,15,8,10,15$ | 2) 49 | 20 | 20 | b) |  |
| c) $13,16,12,14,19,12,14,13,14$, | 3) 7.454 | 8 | 8 | c) |  |
| d) $13,17,8,8,2,9,11,7,8,4,5$ | 4) 29.9 | 15 | 15 | d) |  |
| e) $45,48,60,42,53,47,51,54,49,48,47,53,48,44,46$ | 5) 14.1 | 14 | 14 | e) |  |

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## Section 2

5. Find the mode of the following data: $24,26,23,26,22,25,26,28$.
6. The weights (in kg.) of 15 students of a class are: $38,42,35,37,45,50,32,43,43$, $40,36,38,43,38,47$ (i) Find the mode and median of this data. (ii) Is there more than one mode?
7. Explain the difference between the arithmetic mean, median, and mode. Can mean be a fraction? Can there be more than one mode?

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Find the mode of the following data:
$12,14,12,16,15,13,14,18,19,12,14,15,16,15,16,16,15$,
$17,13,16,16,15,15,13,15,17,15,14,15,13,15,14$
8.

## Section 3

9. Find the median of the data: $24,36,46,17,18,25,35$.
10. Find the median of first nine even natural numbers.
