



MEAN, MODE AND MEDIAN

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Achieve it

$$\text{Mode} = 3 \text{ Median} - 2 \text{ Mean}$$

$\downarrow$ $\downarrow$ $\downarrow$
 अंशफल $\downarrow$ मध्यिका $\downarrow$ माध्य

$$\text{Median} = (12)$$

$$\text{Mean} = (8)$$

$$36 - 16 \Rightarrow$$

$$\text{Mode} = ?$$



$$\text{Mode} = \text{Mean} - 3(\text{Mean} - \text{Median})$$

$$\underline{\underline{\text{Mean}}} = ?$$

$$\text{Mode} = 6$$

$$\text{Mean} - \text{Median} = 12$$



$$\text{Mode} = \text{Median} - \frac{2}{3}(\text{Mean} - \text{Mode})$$

$$\text{Mean} - \text{Mode} = 18$$

$$\text{Mode} = 13$$

$$\text{Median} = ?$$





5, 8, 7, 5, 6, 8, 9, 7, 3, 5

Mode
बहुलक = ?

सिद्ध $\bar{x}$ = ?

Mean

Median = ?
(सिद्ध -)

3, 5, 7, 9, 8, 4, 3, 8, 7, 9, 7



Mean:—

Mode = ?

Median:—

Range = ?

Classmark: Classmark is defined as the mid-value of each class interval is called its class mark.

Formula Class mark = $(\text{Upper limit} + \text{Lower limit}) / 2$

Class size: Class size is defined as the difference between the true upper limit and true lower limit of a class interval.

Formula Class size = Upper limit – lower limit



The following is the distribution of weights (in kg) of 52 persons :Find the class marks of the classes 40–50, 50–60.

Weight (in kg)	Persons
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30–40	10
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40–50	15
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50–60	17
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60–70	6
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70–80	4
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The class mark of a class is 25 and if the upper limit of that class is 40 then its lower limit is _____

A. 30

B. 20

C. 15

D. 10



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The class mark of a class is 25 and if the upper limit of that class is 40 then its lower limit is _____

A. 30

B. 20

C. 15

D. 10



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Find the MEAN, MODE AND MEDIAN of the following data.

(a) 12, 8, 4, 8, 1, 8, 9, 11, 9, 10, 12, 8

(b) 15, 22, 17, 19, 22, 17, 29, 24, 17, 15

(c) 0, 3, 2, 1, 3, 5, 4, 3, 42, 1, 2, 0

(d) 1, 7, 2, 4, 5, 9, 8, 3



Find the MEAN, MODE AND MEDIAN of the following data.

(a) 27, 39, 49, 20, 21, 28, 38

(b) 10, 19, 54, 80, 15, 16

(c) 47, 41, 52, 43, 56, 35, 49, 55, 42

(d) 12, 17, 3, 14, 5, 8, 7, 15



Question : - The runs scored in a cricket match by 11 players is as follows: 7, 16, 121, 51, 101, 81, 1, 16, 9, 11, 16
Find the mean, mode, median of this data.



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Question : - The weights in kg of 10 students are given below:
39, 43, 36, 38, 46, 51, 33, 44, 44, 43
Find the mode of this data. Is there more than 1 mode? If yes, why?



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