



1. If the mean of 5 samples is 24 ,
what is the new mean if 5 is added to each number.
(i) 27 (ii) 28 (iii) 32 (iv) 30 (v) 29

2. Find the mean of all prime numbers between 10 and 100.
(i) $\frac{151}{3}$ (ii) 49 (iii) 51 (iv) $\frac{247}{5}$ (v) $\frac{149}{3}$

Heights of 30 students are given below. Find the median.

3.	Height (in cm)	125	129	131	141	142	145	149	151	158	159	161	168
	No. of students	2	1	4	1	1	4	2	2	4	2	2	5

- (i) 151cm (ii) 148cm (iii) 152cm (iv) 150cm (v) 149cm

Weights of 15 students are given below. Find the median.

4.	Weight (in kg)	40	42	43	46	50	53	56	59	60
	No. of students	1	3	2	1	3	1	1	1	2

- (i) 52kg (ii) 50kg (iii) 49kg (iv) 51kg (v) 48kg

The observations of an ungrouped data are $x_1, x_2, 2x_1$ and $x_1 < x_2 < 2x_1$.

5. If the mean and median of the data are equal to 15,
find the observations of the data
(i) 20, 15, 40 (ii) 10, 15, 20 (iii) 11, 15, 22 (iv) 14, 15, 24

6. Find the median of all the factors of 20.
(i) $\frac{17}{4}$ (ii) $\frac{11}{2}$ (iii) 5 (iv) $\frac{9}{2}$ (v) $\frac{7}{2}$

7. Rainfall of 11 days (in mm) are given below. Find the median rainfall.
7 7 11 5 15 14 12 10 8 12 6
(i) 9mm (ii) 8mm (iii) 11mm (iv) 10mm (v) 12mm

Temperatures of 15 days are given below. Find the median.

8.	Temperature (in degree C)	25	27	29	31	32	33	34	35
	No. of days	2	1	2	2	2	2	3	1

- (i) 34°C (ii) 32°C (iii) 30°C (iv) 33°C (v) 31°C

9. Weights of 15 students (in kg) are given below. Find the mean weight.
59 48 49 48 52 43 50 60 60 53 41 52 41 56 59
(i) $\frac{257}{5}$ kg (ii) $\frac{259}{5}$ kg (iii) $\frac{267}{5}$ kg (iv) $\frac{258}{5}$ kg (v) $\frac{262}{5}$ kg

Scores of 30 students are given below. Find the median.

10.

Score	70	73	75	82	83	85	86	87	88
No. of students	1	4	4	2	5	4	3	6	1

- (i) 81 (ii) 85 (iii) 84 (iv) 83 (v) 82

The marks obtained by 12 students in a test are given below. Find their median marks.

11. 17 45 32 28 17 49 31 32 17 24 49 50

- (i) 32 (ii) $\frac{65}{2}$ (iii) $\frac{61}{2}$ (iv) $\frac{63}{2}$ (v) $\frac{125}{4}$

Heights of 14 students (in cm) are given below. Find the mean height.

12. 152 168 134 166 142 171 143 171 164 146 154 126 167 164

- (i) 155 cm (ii) $\frac{1098}{7}$ cm (iii) $\frac{1084}{7}$ cm (iv) $\frac{1086}{7}$ cm (v) $\frac{1091}{7}$ cm

The marks obtained by 11 students in a test are given below. Find their mean marks.

13. 20 3 13 45 49 42 38 37 9 45 4

- (i) $\frac{305}{11}$ (ii) $\frac{359}{13}$ (iii) $\frac{307}{11}$ (iv) $\frac{303}{11}$ (v) $\frac{251}{9}$

Scores of 15 students are given below. Find the median score.

14. 76 77 70 75 87 81 71 71 87 79 83 85 73 88 89

- (i) 78 (ii) 79 (iii) 81 (iv) 77 (v) 80

15. The scores obtained by 7 students in a test are given below. Find the median. 8 10 18 2 8 19 9

- (i) 2 (ii) 9 (iii) 19 (iv) $10\frac{4}{7}$ (v) 8

Temperatures of 15 days (in °C) are given below. Find the median temperature.

16. 34 31 35 30 33 27 26 32 27 25 34 25 32 31 26

- (i) 32°C (ii) 30°C (iii) 29°C (iv) 31°C (v) 33°C

17. The mean of 8 numbers is $12\frac{3}{8}$. Upon excluding one number, the mean becomes $11\frac{3}{7}$. Find the excluded number.

- (i) 20 (ii) 21 (iii) 18 (iv) 19 (v) 16

Heights of 30 plants are given below. Find the mean.

18.

Height (in cm)	50	54	57	62	69	73	78	87	96	100
No. of plants	2	2	3	5	1	4	3	1	3	6

- (i) $\frac{151}{2}$ cm (ii) $\frac{753}{10}$ cm (iii) $\frac{773}{10}$ cm (iv) $\frac{377}{5}$ cm (v) $\frac{763}{10}$ cm

The marks obtained by 15 students in a test are given below. Find the mean of their marks when the marks of

19. each student is decreased by 2.

36 39 35 4 34 8 43 25 21 20 42 32 19 32 14

- (i) $\frac{326}{13}$ (ii) $\frac{124}{5}$ (iii) $\frac{374}{15}$ (iv) $\frac{376}{15}$ (v) $\frac{422}{17}$

20. Find the median of the first 15 odd numbers.

- (i) 15 (ii) 18 (iii) 16 (iv) 13 (v) 14

21. Find the mean of first 6 multiples of 11.

- (i) $\frac{153}{4}$ (ii) $\frac{79}{2}$ (iii) 39 (iv) $\frac{75}{2}$ (v) $\frac{77}{2}$

Weights of 25 students are given below. Find the mean.

22.

Weight (in kg)	42	45	46	47	49	52	57	59
No. of students	3	1	3	3	3	4	5	3

- (i) $\frac{1292}{25}$ kg (ii) $\frac{1269}{25}$ kg (iii) $\frac{1268}{25}$ kg (iv) $\frac{1317}{25}$ kg (v) $\frac{1267}{25}$ kg

23. Ages of 15 students (in years) are given below. Find the mean age.

12 12 13 15 14 13 10 14 15 14 14 10 12 13 10

- (i) $\frac{206}{15}$ years (ii) $\frac{64}{5}$ years (iii) $\frac{221}{15}$ years (iv) $\frac{193}{15}$ years (v) $\frac{191}{15}$ years

24. Find the mean of the first 20 odd numbers.

- (i) 18 (ii) 22 (iii) 19 (iv) 21 (v) 20

25. The mean of 6 numbers is $13\frac{1}{6}$. Upon adding one number, the mean becomes $11\frac{4}{7}$. Find the included number.

- (i) 1 (ii) -1 (iii) 4 (iv) 2 (v) 3

Assignment Key

1) (v)	2) (v)	3) (iv)	4) (ii)	5) (ii)	6) (iv)
7) (iv)	8) (ii)	9) (i)	10) (iv)	11) (iv)	12) (iii)
13) (i)	14) (ii)	15) (ii)	16) (iv)	17) (iv)	18) (ii)
19) (iii)	20) (i)	21) (v)	22) (v)	23) (v)	24) (v)
25) (iv)					