



1. The scores obtained by 12 students in a test are given below. Find the mean score.

6 1 8 1 13 19 20 19 13 3 4 6

(i) $9\frac{5}{12}$ (ii) 7 (iii) 20 (iv) 1 (v) 19

2. Find the mean of all prime numbers between 20 and 100.

(i) $\frac{983}{17}$ (ii) $\frac{1097}{19}$ (iii) $\frac{985}{17}$ (iv) $\frac{981}{17}$ (v) $\frac{869}{15}$

3. Find the mean of all prime numbers between 10 and 80.

(i) 45 (ii) 44 (iii) 42 (iv) 40 (v) 43

4. Find the mean of first 10 multiples of 10.

(i) 56 (ii) 54 (iii) 53 (iv) 57 (v) 55

5. Find the mean of first 9 whole numbers.

(i) 5 (ii) 7 (iii) 1 (iv) 3 (v) 4

6. Find the mean of first 10 multiples of 16.

(i) 89 (ii) 86 (iii) 88 (iv) 87 (v) 90

7. Find the mean of the first 15 odd numbers.

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

8. Find the mean of the first 10 even numbers.

(i) 10 (ii) 14 (iii) 8 (iv) 11 (v) 12

9. The marks obtained by 13 students in a test are given below. Find their mean marks.

13 17 49 15 30 49 20 10 13 7 33 5 15

(i) $\frac{106}{5}$ (ii) $\frac{278}{13}$ (iii) $\frac{274}{13}$ (iv) $\frac{234}{11}$ (v) $\frac{276}{13}$

10. The marks obtained by 11 students in a test are given below. Find the mean of their marks when the marks of each student is increased by 4.

28 27 40 50 43 15 45 6 7 34 1

(i) $\frac{400}{13}$ (ii) $\frac{338}{11}$ (iii) $\frac{340}{11}$ (iv) $\frac{280}{9}$ (v) $\frac{342}{11}$

11. The marks obtained by 13 students in a test are given below. Find the mean of their marks when the marks of each student is decreased by 9.

40 2 48 35 5 19 28 22 39 17 30 49 1

(i) $\frac{216}{13}$ (ii) $\frac{50}{3}$ (iii) $\frac{218}{13}$ (iv) $\frac{220}{13}$ (v) $\frac{186}{11}$

12. The marks obtained by 10 students in a test are given below. Find the mean of their marks when the marks of each student is doubled.

23 11 16 41 42 41 36 8 24 3

(i) 48 (ii) 52 (iii) 49 (iv) 50 (v) 46

13. Heights of 15 students (in cm) are given below. Find the mean height.

154 174 147 140 150 157 157 141 140 135 141 172 167 172 143

(i) $\frac{458}{3}$ cm (ii) $\frac{460}{3}$ cm (iii) $\frac{464}{3}$ cm (iv) 153 cm (v) $\frac{461}{3}$ cm

14. Heights of 11 plants (in cm) are given below. Find the mean height.

69 76 83 98 93 67 84 77 82 92 66

(i) $\frac{889}{11}$ cm (ii) $\frac{909}{11}$ cm (iii) $\frac{888}{11}$ cm (iv) $\frac{887}{11}$ cm (v) $\frac{898}{11}$ cm

15. Ages of 12 students (in years) are given below. Find the mean age.

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

(i) $\frac{25}{2}$ years (ii) $\frac{161}{12}$ years (iii) $\frac{149}{12}$ years (iv) $\frac{151}{12}$ years (v) $\frac{173}{12}$ years

16. Rainfall of 10 days (in mm) are given below. Find the mean rainfall.

13 7 7 5 8 15 12 6 9 8

(i) 9 mm (ii) 7 mm (iii) 8 mm (iv) 11 mm (v) 10 mm

17. Scores of 13 students are given below. Find the mean score.

73 90 79 78 74 76 72 89 76 86 75 77 82

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

18. Temperatures of 14 days (in °C) are given below. Find the mean temperature.

30 32 34 35 28 26 29 34 32 33 35 33 34 32

(i) 32 °C (ii) $\frac{461}{14}$ °C (iii) $\frac{447}{14}$ °C (iv) $\frac{475}{14}$ °C (v) $\frac{449}{14}$ °C

19. Weights of 15 students (in kg) are given below. Find the mean weight.

56 42 52 45 45 53 42 54 49 60 41 56 53 48 47

(i) $\frac{743}{15}$ kg (ii) $\frac{248}{5}$ kg (iii) $\frac{758}{15}$ kg (iv) $\frac{149}{3}$ kg (v) $\frac{773}{15}$ kg

20. Daily wages of 10 labourers (in ₹) are given below. Find the mean wage.

465 358 480 481 331 496 420 435 468 443

(i) ₹437.70 (ii) ₹437.90 (iii) ₹437.80 (iv) ₹438.70 (v) ₹439.70

21. If the mean of 7 5 4 9 x 2 3 6 is $4\frac{5}{8}$, find the value of x.

(i) 0 (ii) 4 (iii) -1 (iv) 2 (v) 1

22. The mean of the below random sample is $32\frac{1}{5}$. Find the missing quantity. 41 40 13 43 30 25 33 x 49 37

(i) 13 (ii) 9 (iii) 12 (iv) 10 (v) 11

23. Given the mean of 10 samples as $12\frac{1}{10}$, what is the mean if a sample value is increased by 11 ?

- (i) $\frac{64}{5}$ (ii) $\frac{40}{3}$ (iii) $\frac{92}{7}$ (iv) $\frac{66}{5}$ (v) $\frac{68}{5}$

24. Given the mean of 12 samples as $11\frac{5}{6}$, what is the mean if a sample value is decreased by 12 ?

- (i) $\frac{65}{6}$ (ii) $\frac{85}{8}$ (iii) $\frac{21}{2}$ (iv) $\frac{67}{6}$ (v) $\frac{45}{4}$

25. Given the mean of 10 samples as 6 ,
what is the new mean if two samples 8 and 1 are added ?

- (i) $\frac{23}{4}$ (ii) $\frac{25}{4}$ (iii) $\frac{21}{4}$ (iv) $\frac{13}{2}$ (v) $\frac{11}{2}$

26. Given the mean of 12 samples as $5\frac{1}{6}$,
what is the new mean if two samples 9 and 3 are removed ?

- (i) 5 (ii) 4 (iii) 3 (iv) 6 (v) 7

27. The arithmetic mean of $a + 2$, a , and $a - 2$ is

- (i) $a + 2$ (ii) a (iii) $3a$ (iv) $a - 2$

28. The arithmetic mean of 2 37 8 40 1 30 13 is

- (i) 18.71 (ii) 17.71 (iii) 20.71 (iv) 16.71 (v) 19.71

29. If the mean of 4 samples is $26\frac{3}{4}$,
what is the new mean if 10 is added to each number.

- (i) $\frac{145}{4}$ (ii) $\frac{149}{4}$ (iii) $\frac{147}{4}$ (iv) $\frac{75}{2}$ (v) $\frac{73}{2}$

30. If the mean of 6 samples is 15 ,
what is the new mean if 8 is subtracted from each number.

- (i) 9 (ii) 8 (iii) 6 (iv) 7 (v) 5

31. If the mean of 8 samples is $34\frac{3}{4}$,
what is the new mean if each number is multiplied by 8 .

- (i) 277 (ii) 280 (iii) 279 (iv) 275 (v) 278

32. The mean of 10 numbers is $9\frac{4}{5}$. Upon excluding one number, the mean becomes $10\frac{5}{9}$. Find the excluded number.

- (i) 4 (ii) 2 (iii) 3 (iv) 0 (v) 6

33. The mean of 8 numbers is 10 . Upon adding one number, the mean becomes $9\frac{5}{9}$. Find the included number.

- (i) 6 (ii) 4 (iii) 9 (iv) 5 (v) 7

Assignment Key

1) (i)	2) (i)	3) (v)	4) (v)	5) (v)	6) (iii)
7) (iv)	8) (iv)	9) (v)	10) (iii)	11) (iii)	12) (iii)
13) (i)	14) (iv)	15) (iii)	16) (i)	17) (iii)	18) (iii)
19) (i)	20) (i)	21) (v)	22) (v)	23) (iv)	24) (i)
25) (i)	26) (i)	27) (ii)	28) (i)	29) (iii)	30) (iv)
31) (v)	32) (iii)	33) (i)			