

EduSahara™ Learning Center Assignment**Grade : Class IX, ICSE****Chapter : Mean and Median of Ungrouped Data****Name : Mean of Raw Data**

The scores obtained by 8 students in a test are

1. 20, 9, 2, 11, 12, 18, 3, 16

Find the mean score.

- (i) $11\frac{3}{8}$ (ii) 20 (iii) 2 (iv) 18 (v) $11\frac{1}{2}$
-

2. If the mean of 8, 9, 1, x, 7, 5 is 6, find the value of x.

- (i) 8 (ii) 5 (iii) 6 (iv) 7 (v) 3
-

The mean of the below random sample is $33\frac{4}{5}$. Find the missing quantity.

3. 43, 43, x, 16, 39, 50, 27, 39, 12, 50

- (i) 20 (ii) 16 (iii) 18 (iv) 19 (v) 22
-

Given the mean of 6 samples as 10,

4. what is the mean if a sample value is increased by 16?

- (i) $\frac{62}{5}$ (ii) $\frac{40}{3}$ (iii) 14 (iv) $\frac{38}{3}$ (v) 12
-

Given the mean of 7 samples as 11,

5. what is the mean if a sample value is decreased by 11?

- (i) $\frac{68}{7}$ (ii) $\frac{28}{3}$ (iii) $\frac{48}{5}$ (iv) $\frac{64}{7}$ (v) $\frac{66}{7}$
-

Given the mean of 10 samples as $5\frac{7}{10}$,

6. what is the new mean if two samples 3 and 4 are added?

- (i) $\frac{16}{3}$ (ii) $\frac{26}{5}$ (iii) 6 (iv) $\frac{14}{3}$
-

Given the mean of 12 samples as $5\frac{1}{4}$,

7. what is the new mean if two samples 9 and 4 are removed?

- (i) 3 (ii) 6 (iii) 5 (iv) 4 (v) 8
-

8. Find the mean of all prime numbers between 20 and 90.

- (i) $\frac{443}{8}$ (ii) $\frac{553}{10}$ (iii) $\frac{111}{2}$ (iv) $\frac{441}{8}$ (v) $\frac{445}{8}$
-

9. Find the mean of all prime numbers between 40 and 90 .

- (i) $\frac{509}{8}$ (ii) $\frac{257}{4}$ (iii) $\frac{385}{6}$ (iv) $\frac{127}{2}$ (v) $\frac{383}{6}$
-

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

- (i) 53 (ii) 57 (iii) 56 (iv) 58 (v) 55
-

11. Find the mean of first 7 whole numbers.

- (i) 3 (ii) 4 (iii) 1 (iv) 5 (v) 2
-

12. Find the mean of first 6 multiples of 19 .

- (i) $\frac{135}{2}$ (ii) $\frac{265}{4}$ (iii) $\frac{131}{2}$ (iv) 67 (v) $\frac{133}{2}$
-

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

- (i) 17 (ii) 21 (iii) 22 (iv) 19 (v) 20
-

14. Find the mean of the first 15 even numbers.

- (i) 19 (ii) 14 (iii) 15 (iv) 16 (v) 17
-

The marks obtained by 14 students in a test are given below.

15. Find their mean marks.

33 , 7 , 40 , 4 , 5 , 14 , 42 , 6 , 45 , 45 , 20 , 14 , 1 , 24

- (i) $\frac{150}{7}$ (ii) $\frac{148}{7}$ (iii) $\frac{152}{7}$ (iv) $\frac{108}{5}$ (v) $\frac{64}{3}$
-

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

Find the mean of their marks when the marks of

16. each student is increased by 3 .

28 , 7 , 44 , 17 , 30 , 43 , 23 , 12 , 47 , 18 , 42

- (i) $\frac{406}{13}$ (ii) $\frac{94}{3}$ (iii) $\frac{346}{11}$ (iv) $\frac{344}{11}$ (v) $\frac{342}{11}$
-

The marks obtained by 10 students in a test are given below.

Find the mean of their marks when the marks of

17. each student is decreased by 6 .

29 , 5 , 47 , 48 , 26 , 28 , 45 , 2 , 50 , 12

- (i) $\frac{162}{7}$ (ii) $\frac{114}{5}$ (iii) $\frac{116}{5}$ (iv) $\frac{118}{5}$ (v) $\frac{70}{3}$
-

18. The marks obtained by 12 students in a test are given below.

Find the mean of their marks when the marks of each student is doubled.

10 , 8 , 13 , 16 , 36 , 30 , 33 , 3 , 42 , 40 , 37 , 8

(i) 45 (ii) 46 (iii) 47 (iv) 48 (v) 43

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

19. 159 , 174 , 130 , 175 , 174 , 160 , 127 , 131 , 133 , 164 , 127

(i) $\frac{1654}{11}$ cm (ii) $\frac{1655}{11}$ cm (iii) $\frac{1665}{11}$ cm (iv) $\frac{1676}{11}$ cm (v) $\frac{1656}{11}$ cm

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

20. 51 , 84 , 64 , 77 , 84 , 76 , 69 , 77 , 99 , 80 , 64 , 50 , 85 , 74 , 91

(i) 75 cm (ii) 74 cm (iii) 76 cm (iv) 77 cm (v) 73 cm

Ages of 14 students (in years) are given below. Find the mean age.

21. 13 , 15 , 15 , 15 , 11 , 12 , 15 , 14 , 12 , 15 , 12 , 15 , 12 , 12

(i) $\frac{95}{7}$ years (ii) $\frac{94}{7}$ years (iii) $\frac{96}{7}$ years (iv) $\frac{108}{7}$ years (v) $\frac{101}{7}$ years

Rainfall of 11 days (in mm) are given below. Find the mean rainfall.

22. 13 , 9 , 10 , 8 , 5 , 5 , 5 , 14 , 8 , 10 , 9

(i) $\frac{96}{11}$ mm (ii) $\frac{97}{11}$ mm (iii) $\frac{98}{11}$ mm (iv) $\frac{107}{11}$ mm (v) $\frac{118}{11}$ mm

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

23. 29 , 25 , 34 , 26 , 26 , 32 , 35 , 26 , 29 , 26 , 25 , 33 , 34 , 32

(i) $\frac{213}{7}$ °C (ii) $\frac{208}{7}$ °C (iii) $\frac{220}{7}$ °C (iv) $\frac{207}{7}$ °C (v) $\frac{206}{7}$ °C

Weights of 14 students (in kg) are given below. Find the mean weight.

24. 60 , 53 , 47 , 52 , 47 , 52 , 46 , 58 , 51 , 45 , 59 , 55 , 59 , 46

(i) $\frac{379}{7}$ kg (ii) $\frac{366}{7}$ kg (iii) $\frac{367}{7}$ kg (iv) $\frac{372}{7}$ kg (v) $\frac{365}{7}$ kg

Daily wages of 15 labourers (in ₹) are given below. Find the mean wage.

25. 440 , 329 , 335 , 363 , 338 , 486 , 372 , 458 , 444 , 302 , 357 , 357 , 390 , 381 , 479

(i) ₹ 388.87 (ii) ₹ 388.80 (iii) ₹ 388.73 (iv) ₹ 390.73 (v) ₹ 389.73

26. If the mean of 7 samples is $32\frac{2}{7}$,
what is the new mean if 10 is added to each number.

(i) $\frac{298}{7}$ (ii) $\frac{296}{7}$ (iii) $\frac{380}{9}$ (iv) $\frac{212}{5}$ (v) 42

27. If the mean of 5 samples is $24\frac{2}{5}$,
what is the new mean if 8 is subtracted from each number.

(i) $\frac{84}{5}$ (ii) $\frac{82}{5}$ (iii) $\frac{114}{7}$ (iv) 16 (v) $\frac{50}{3}$

28. If the mean of 6 samples is 22 ,
what is the new mean if each number is multiplied by 9 .

(i) 195 (ii) 199 (iii) 198 (iv) 197 (v) 201

29. The mean of 9 numbers is $10\frac{8}{9}$. Upon adding one number,
the mean becomes $11\frac{7}{10}$. Find the included number.

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

30. Scores of 12 students are given below. Find the mean score.
79 , 80 , 88 , 90 , 84 , 70 , 70 , 74 , 82 , 74 , 82 , 71

(i) $\frac{242}{3}$ (ii) 79 (iii) $\frac{239}{3}$ (iv) $\frac{238}{3}$ (v) $\frac{236}{3}$

31. The mean of 9 numbers is $12\frac{1}{9}$. Upon excluding one number,
the mean becomes $12\frac{5}{8}$. Find the excluded number.

(i) 7 (ii) 6 (iii) 11 (iv) 9 (v) 8

Assignment Key

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