

EduSahara™ Learning Center Assignment**Grade : Class IX, SSC****Chapter : Statistics****Name : Mean of Raw Data**

The scores obtained by 14 students in a test are

1. 6 , 20 , 11 , 19 , 8 , 18 , 3 , 14 , 13 , 4 , 4 , 3 , 4 , 7

Find the mean score.

- (i) 17 (ii) 20 (iii) $9\frac{4}{7}$ (iv) $7\frac{1}{2}$ (v) 4
-

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

2. Find their mean marks.

11 , 50 , 39 , 33 , 37 , 37 , 29 , 41 , 36 , 8

- (i) $\frac{257}{8}$ (ii) $\frac{385}{12}$ (iii) $\frac{323}{10}$ (iv) $\frac{319}{10}$ (v) $\frac{321}{10}$
-

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

3. 152 , 136 , 155 , 131 , 138 , 140 , 130 , 143 , 155 , 143 , 135 , 172 , 132

- (i) $\frac{1863}{13}$ cm (ii) $\frac{1862}{13}$ cm (iii) $\frac{1864}{13}$ cm (iv) $\frac{1875}{13}$ cm (v) $\frac{1888}{13}$ cm
-

Heights of 12 plants (in cm) are given below. Find the mean height.

4. 88 , 70 , 68 , 61 , 79 , 87 , 55 , 78 , 99 , 69 , 83 , 84

- (i) $\frac{315}{4}$ cm (ii) 77 cm (iii) $\frac{311}{4}$ cm (iv) $\frac{307}{4}$ cm (v) $\frac{309}{4}$ cm
-

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

5. 14 , 11 , 13 , 12 , 14 , 12 , 15 , 15 , 12 , 14 , 13 , 14 , 10 , 12 , 10

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

Rainfall of 14 days (in mm) are given below. Find the mean rainfall.

6. 10 , 9 , 15 , 7 , 11 , 14 , 6 , 8 , 11 , 10 , 8 , 12 , 14 , 8

- (i) $\frac{157}{14}$ mm (ii) $\frac{72}{7}$ mm (iii) $\frac{171}{14}$ mm (iv) $\frac{143}{14}$ mm (v) $\frac{145}{14}$ mm
-

Scores of 11 students are given below. Find the mean score.

7. 88 , 74 , 88 , 85 , 78 , 71 , 73 , 86 , 78 , 83 , 79

- (i) $\frac{884}{11}$ (ii) $\frac{894}{11}$ (iii) $\frac{883}{11}$ (iv) $\frac{905}{11}$ (v) $\frac{885}{11}$
-

8. Temperatures of 13 days (in °C) are given below. Find the mean temperature.

27 , 27 , 27 , 30 , 33 , 25 , 34 , 25 , 31 , 35 , 26 , 27 , 27

- (i) $\frac{400}{13}^{\circ}\text{C}$ (ii) $\frac{374}{13}^{\circ}\text{C}$ (iii) $\frac{375}{13}^{\circ}\text{C}$ (iv) $\frac{387}{13}^{\circ}\text{C}$ (v) $\frac{376}{13}^{\circ}\text{C}$
-

Weights of 10 students (in kg) are given below. Find the mean weight.

9. 58 , 43 , 59 , 43 , 51 , 46 , 48 , 58 , 56 , 50

- (i) $\frac{257}{5}$ kg (ii) $\frac{266}{5}$ kg (iii) $\frac{258}{5}$ kg (iv) $\frac{256}{5}$ kg (v) $\frac{261}{5}$ kg
-

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

10. 380 , 373 , 439 , 482 , 390 , 350 , 349 , 443 , 324 , 361 , 430 , 325 , 431 , 356 , 492

- (i) ₹ 395.00 (ii) ₹ 394.00 (iii) ₹ 396.00 (iv) ₹ 393.00 (v) ₹ 397.00
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11. The arithmetic mean of 28 , 21 , 37 , 25 , 22 , 35 , 42 , 25 is

- (i) 28.38 (ii) 31.38 (iii) 27.38 (iv) 30.38 (v) 29.38
-

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

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

13. The mean of the below random sample is $30\frac{1}{10}$. Find the missing quantity.

15 , 24 , 31 , 44 , 15 , 46 , 10 , 49 , x , 26

- (i) 44 (ii) 40 (iii) 42 (iv) 41 (v) 38
-

14. Given the mean of 10 samples as $6\frac{3}{10}$,
what is the mean if a sample value is increased by 11 ?

- (i) $\frac{39}{5}$ (ii) $\frac{51}{7}$ (iii) $\frac{23}{3}$ (iv) 7 (v) $\frac{37}{5}$
-

15. Given the mean of 10 samples as $8\frac{4}{5}$,
what is the mean if a sample value is decreased by 19 ?

- (i) $\frac{27}{4}$ (ii) $\frac{67}{10}$ (iii) $\frac{71}{10}$ (iv) $\frac{57}{8}$ (v) $\frac{69}{10}$
-

16. Given the mean of 10 samples as $5\frac{1}{5}$,
what is the new mean if two samples 1 and 7 are added ?

- (i) 5 (ii) 7 (iii) 6 (iv) 2 (v) 4
-

17. Given the mean of 12 samples as $5\frac{1}{4}$,
what is the new mean if two samples 8 and 4 are removed ?

- (i) $\frac{61}{12}$ (ii) $\frac{49}{10}$ (iii) $\frac{51}{10}$ (iv) $\frac{41}{8}$ (v) $\frac{53}{10}$
-

18. Find the mean of all prime numbers between 30 and 70 .

- (i) 49 (ii) $\frac{535}{11}$ (iii) $\frac{439}{9}$ (iv) $\frac{437}{9}$
-

19. Find the mean of all prime numbers between 40 and 60 .

- (i) $\frac{243}{5}$ (ii) 49 (iii) $\frac{241}{5}$ (iv) $\frac{339}{7}$
-

20. Find the mean of first 10 multiples of 11 .

- (i) 61 (ii) $\frac{119}{2}$ (iii) $\frac{121}{2}$ (iv) $\frac{241}{4}$ (v) $\frac{123}{2}$
-

21. Find the mean of first 8 whole numbers.

- (i) $\frac{5}{2}$ (ii) $\frac{9}{2}$ (iii) 4 (iv) $\frac{7}{2}$ (v) $\frac{13}{4}$
-

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

- (i) 38 (ii) 32 (iii) 35 (iv) 34 (v) 36
-

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

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

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

- (i) 20 (ii) 22 (iii) 19 (iv) 21 (v) 24
-

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

Find the mean of their marks when the marks of

25. each student is increased by 2 .

43 , 47 , 43 , 12 , 27 , 4 , 4 , 18 , 20 , 49 , 46 , 29

- (i) $\frac{121}{4}$ (ii) 31 (iii) $\frac{59}{2}$ (iv) $\frac{63}{2}$ (v) $\frac{61}{2}$
-

The marks obtained by 13 students in a test are given below.

Find the mean of their marks when the marks of

26. each student is decreased by 10 .

34 , 2 , 34 , 46 , 38 , 33 , 35 , 5 , 37 , 47 , 32 , 8 , 2

- (i) $\frac{257}{15}$ (ii) $\frac{223}{13}$ (iii) $\frac{189}{11}$ (iv) $\frac{225}{13}$ (v) 17
-

27. 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 doubled.

47 , 16 , 14 , 5 , 29 , 29 , 23 , 40 , 9 , 29 , 24

- (i) 48 (ii) $\frac{626}{13}$ (iii) $\frac{530}{11}$ (iv) $\frac{434}{9}$ (v) $\frac{532}{11}$
-

28. If the mean of 7 samples is $29\frac{2}{7}$,
what is the new mean if each number is multiplied by 10 .

- (i) $\frac{878}{3}$ (ii) $\frac{2050}{7}$ (iii) $\frac{1466}{5}$ (iv) $\frac{2052}{7}$ (v) $\frac{2048}{7}$
-

29. The mean of 5 numbers is $12\frac{2}{5}$. Upon excluding one number,
the mean becomes 14 . Find the excluded number.

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

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

- (i) 8 (ii) 10 (iii) 9 (iv) 11 (v) 12
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Assignment Key

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