EduSahara™ Assignment

Name : Mean of Raw Data

Chapter : Statistics

Grade : SSC Grade IX

1. The scores obtained by 12 students in a test are given below. Find the mean score.
19 20 11 1 18 10 9 12 1 9 5 10

(i) 10 (ii) 19 (iii) 20 (iv) 1 (v) $10\frac{5}{12}$

2. The marks obtained by 13 students in a test are given below. Find their mean marks.
23 14 8 30 26 25 16 26 21 11 19 45 17

(i) $\frac{279}{13}$ (ii) $\frac{323}{15}$ (iii) $\frac{239}{11}$ (iv) $\frac{281}{13}$ (v) $\frac{283}{13}$

3. Heights of 13 students (in cm) are given below. Find the mean height.
166 159 168 160 149 157 174 149 142 172 155 131 153

(i) $\frac{2036}{13}$ cm (ii) $\frac{2048}{13}$ cm (iii) $\frac{2061}{13}$ cm (iv) $\frac{2037}{13}$ cm (v) $\frac{2035}{13}$ cm

4. Heights of 15 plants (in cm) are given below. Find the mean height.
62 75 79 70 76 87 85 100 56 87 78 58 70 66 78

(i) $\frac{1127}{15}$ cm (ii) $\frac{376}{5}$ cm (iii) $\frac{1142}{15}$ cm (iv) $\frac{1129}{15}$ cm (v) $\frac{1157}{15}$ cm

5. Ages of 11 students (in years) are given below. Find the mean age.
11 13 14 11 12 12 12 12 10 11 14

(i) 13 years (ii) 11 years (iii) 12 years (iv) 10 years (v) 14 years

6. Rainfall of 14 days (in mm) are given below. Find the mean rainfall.
5 12 5 14 14 8 12 9 10 7 7 10 13 12

(i) 10 mm (ii) $\frac{76}{7}$ mm (iii) $\frac{71}{7}$ mm (iv) $\frac{83}{7}$ mm (v) $\frac{69}{7}$ mm

7. Scores of 14 students are given below. Find the mean score.
89 83 70 85 80 85 74 82 78 80 74 89 86 81

(i) $\frac{570}{7}$ (ii) $\frac{568}{7}$ (iii) $\frac{582}{7}$ (iv) $\frac{575}{7}$ (v) $\frac{569}{7}$

8. Temperatures of 14 days (in °C) are given below. Find the mean temperature.
27 33 34 34 25 27 26 29 31 34 34 35 29 33

(i) $\frac{216}{7}$ °C (ii) $\frac{445}{14}$ °C (iii) $\frac{433}{14}$ °C (iv) $\frac{431}{14}$ °C (v) $\frac{459}{14}$ °C

9. Weights of 10 students (in kg) are given below. Find the mean weight.
53 56 53 55 41 53 49 53 55 56

(i) $\frac{272}{5}$ kg (ii) $\frac{267}{5}$ kg (iii) $\frac{264}{5}$ kg (iv) $\frac{263}{5}$ kg (v) $\frac{262}{5}$ kg

10. Daily wages of 11 labourers (in ₹) are given below. Find the mean wage.
455 310 380 362 361 434 343 361 343 366 436

(i) ₹379.36 (ii) ₹377.45 (iii) ₹377.36 (iv) ₹377.55 (v) ₹378.36

11. The arithmetic mean of 43 35 42 27 35 15 15 16 is

(i) 26.5 (ii) 28.5 (iii) 27.5 (iv) 29.5 (v) 30.5

12. If the mean of 5 8 1 x 2 7 is $5\frac{1}{3}$, find the value of x.

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

13. The mean of the below random sample is $36\frac{2}{5}$. Find the missing quantity. 39 17 49 18 29 47 45 x 33 47

(i) 40 (ii) 41 (iii) 39 (iv) 37 (v) 43

14. Given the mean of 12 samples as $8\frac{1}{4}$, what is the mean if a sample value is increased by 16 ?

(i) $\frac{115}{12}$ (ii) $\frac{19}{2}$ (iii) $\frac{39}{4}$ (iv) $\frac{97}{10}$ (v) $\frac{113}{12}$

15. Given the mean of 9 samples as $12\frac{8}{9}$, what is the mean if a sample value is decreased by 13 ?

(i) $\frac{125}{11}$ (ii) $\frac{103}{9}$ (iii) $\frac{35}{3}$ (iv) $\frac{81}{7}$ (v) $\frac{101}{9}$

16. Given the mean of 10 samples as 6 ,
what is the new mean if two samples 3 and 4 are added ?

(i) $\frac{67}{12}$ (ii) $\frac{23}{4}$ (iii) $\frac{11}{2}$ (iv) $\frac{57}{10}$ (v) $\frac{65}{12}$

17. Given the mean of 12 samples as $5\frac{1}{12}$,
what is the new mean if two samples 3 and 2 are removed ?

(i) $\frac{26}{5}$ (ii) $\frac{28}{5}$ (iii) $\frac{38}{7}$ (iv) 6

18. Find the mean of all prime numbers between 50 and 60.

(i) 53 (ii) 59 (iii) 55 (iv) 56 (v) 57

19. Find the mean of all prime numbers between 40 and 70.

(i) 53 (ii) 55 (iii) 52 (iv) 51 (v) 54

20. Find the mean of first 6 multiples of 6.

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

21. Find the mean of first 6 whole numbers.

(i) $\frac{9}{4}$ (ii) 3 (iii) $\frac{7}{2}$ (iv) $\frac{3}{2}$ (v) $\frac{5}{2}$

22. Find the mean of first 10 multiples of 18.

(i) 99 (ii) 102 (iii) 98 (iv) 100 (v) 96

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

(i) 12 (ii) 15 (iii) 14 (iv) 16 (v) 18

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

(i) 17 (ii) 19 (iii) 15 (iv) 16 (v) 13

25. 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 increased by 6.

33 26 32 28 1 4 10 29 33 15

(i) $\frac{269}{10}$ (ii) $\frac{217}{8}$ (iii) $\frac{273}{10}$ (iv) $\frac{325}{12}$ (v) $\frac{271}{10}$

26. The marks obtained by 15 students in a test are given below. Find the mean of their marks when the marks of each student is decreased by 6.

40 30 6 37 12 2 26 10 20 20 50 30 26 40 33

(i) $\frac{292}{15}$ (ii) $\frac{58}{3}$ (iii) $\frac{254}{13}$ (iv) $\frac{330}{17}$ (v) $\frac{98}{5}$

27. The marks obtained by 14 students in a test are given below. Find the mean of their marks when the marks of each student is doubled.

32 45 17 41 6 14 9 32 27 44 21 31 43 50

(i) $\frac{410}{7}$ (ii) $\frac{414}{7}$ (iii) $\frac{176}{3}$ (iv) $\frac{296}{5}$ (v) $\frac{412}{7}$

28. If the mean of 6 samples is $20\frac{1}{2}$,

what is the new mean if each number is multiplied by 8 .

(i) 163 (ii) 167 (iii) 164 (iv) 165 (v) 162

29. The mean of 10 numbers is $6\frac{3}{5}$. Upon excluding one number, the mean becomes $6\frac{7}{9}$. Find the excluded number.

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

30. The mean of 5 numbers is 11 . Upon adding one number, the mean becomes $11\frac{2}{3}$. Find the included number.

(i) 12 (ii) 14 (iii) 16 (iv) 18 (v) 15

Assignment Key

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