EduSahara™ Assignment

Name : Mean of Raw Data

Chapter : Statistics

Grade : SSC Grade IX

1. The scores obtained by 10 students in a test are given below. Find the mean score.
3 1 11 18 12 18 12 4 13 5

(i) $11\frac{1}{2}$ (ii) 17 (iii) 18 (iv) $9\frac{7}{10}$ (v) 12

2. The marks obtained by 11 students in a test are given below. Find their mean marks.
25 15 34 33 20 47 23 49 5 19 27

(i) 29 (ii) 24 (iii) 28 (iv) 26 (v) 27

3. Heights of 14 students (in cm) are given below. Find the mean height.
157 129 137 158 137 141 168 155 150 148 159 142 164 160

(i) $\frac{2105}{14}$ cm (ii) $\frac{2119}{14}$ cm (iii) $\frac{1053}{7}$ cm (iv) $\frac{2133}{14}$ cm (v) $\frac{301}{2}$ cm

4. Heights of 13 plants (in cm) are given below. Find the mean height.
99 79 83 84 87 88 69 94 56 66 62 66 69

(i) $\frac{1004}{13}$ cm (ii) $\frac{1028}{13}$ cm (iii) $\frac{1002}{13}$ cm (iv) $\frac{1015}{13}$ cm (v) $\frac{1003}{13}$ cm

5. Ages of 14 students (in years) are given below. Find the mean age.
12 15 10 10 15 15 15 12 11 14 15 14 15 11

(i) $\frac{106}{7}$ years (ii) $\frac{93}{7}$ years (iii) $\frac{99}{7}$ years (iv) $\frac{92}{7}$ years (v) $\frac{94}{7}$ years

6. Rainfall of 13 days (in mm) are given below. Find the mean rainfall.
8 13 5 14 8 7 14 7 12 10 11 9 6

(i) $\frac{125}{13}$ mm (ii) $\frac{137}{13}$ mm (iii) $\frac{126}{13}$ mm (iv) $\frac{124}{13}$ mm (v) $\frac{150}{13}$ mm

7. Scores of 14 students are given below. Find the mean score.
73 72 76 80 79 80 74 81 71 74 76 85 76 73

(i) $\frac{536}{7}$ (ii) $\frac{549}{7}$ (iii) $\frac{542}{7}$ (iv) $\frac{537}{7}$ (v) $\frac{535}{7}$

8. Temperatures of 12 days (in °C) are given below. Find the mean temperature.
29 31 33 35 29 28 35 31 30 30 30 30

(i) $\frac{371}{12}$ °C (ii) 31 °C (iii) $\frac{395}{12}$ °C (iv) $\frac{383}{12}$ °C (v) $\frac{373}{12}$ °C

9. Weights of 14 students (in kg) are given below. Find the mean weight.
53 59 43 44 45 53 45 46 60 57 40 44 49 48

(i) 49 kg (ii) 51 kg (iii) 50 kg (iv) 47 kg (v) 48 kg

10. Daily wages of 13 labourers (in ₹) are given below. Find the mean wage.
463 302 426 351 351 413 344 420 308 469 342 431 394

(i) ₹386.69 (ii) ₹385.85 (iii) ₹385.77 (iv) ₹387.69 (v) ₹385.69

11. The arithmetic mean of 36 49 34 39 33 23 2 is

(i) 32.86 (ii) 28.86 (iii) 31.86 (iv) 29.86 (v) 30.86

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

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

13. The mean of the below random sample is $25\frac{4}{5}$. Find the missing quantity. 11 23 x 30 40 20 43 10 18 22

(i) 38 (ii) 40 (iii) 42 (iv) 43 (v) 41

14. Given the mean of 8 samples as $10\frac{1}{2}$, what is the mean if a sample value is increased by 14 ?

(i) $\frac{73}{6}$ (ii) $\frac{47}{4}$ (iii) $\frac{25}{2}$ (iv) $\frac{49}{4}$ (v) $\frac{51}{4}$

15. Given the mean of 13 samples as 12 , what is the mean if a sample value is decreased by 19 ?

(i) $\frac{137}{13}$ (ii) $\frac{157}{15}$ (iii) $\frac{139}{13}$ (iv) $\frac{135}{13}$ (v) $\frac{117}{11}$

16. Given the mean of 10 samples as 7 ,
what is the new mean if two samples 2 and 7 are added ?

(i) $\frac{27}{4}$ (ii) $\frac{79}{12}$ (iii) $\frac{77}{12}$ (iv) $\frac{67}{10}$ (v) $\frac{13}{2}$

17. Given the mean of 12 samples as $4\frac{1}{3}$,
what is the new mean if two samples 3 and 7 are removed ?

(i) $\frac{29}{7}$ (ii) $\frac{19}{5}$ (iii) $\frac{13}{3}$ (iv) $\frac{21}{5}$ (v) $\frac{23}{5}$

18. Find the mean of all prime numbers between 20 and 60.

(i) $\frac{201}{5}$ (ii) 41 (iii) $\frac{121}{3}$ (iv) $\frac{119}{3}$

19. Find the mean of all prime numbers between 30 and 60.

(i) $\frac{313}{7}$ (ii) $\frac{309}{7}$ (iii) $\frac{223}{5}$ (iv) $\frac{311}{7}$ (v) $\frac{133}{3}$

20. Find the mean of first 9 multiples of 4.

(i) 21 (ii) 17 (iii) 20 (iv) 23 (v) 19

21. Find the mean of first 10 whole numbers.

(i) $\frac{17}{4}$ (ii) 5 (iii) $\frac{9}{2}$ (iv) $\frac{11}{2}$ (v) $\frac{7}{2}$

22. Find the mean of first 5 multiples of 11.

(i) 34 (ii) 30 (iii) 33 (iv) 32 (v) 36

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

(i) 13 (ii) 16 (iii) 15 (iv) 17 (v) 14

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

(i) 16 (ii) 19 (iii) 17 (iv) 15 (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 9.

34 8 13 13 1 27 37 33 2 1

(i) $\frac{259}{10}$ (ii) $\frac{261}{10}$ (iii) $\frac{209}{8}$ (iv) $\frac{257}{10}$ (v) $\frac{103}{4}$

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 2.

21 3 30 37 42 38 19 13 32 45 38 2 40 35 32

(i) $\frac{79}{3}$ (ii) $\frac{345}{13}$ (iii) $\frac{449}{17}$ (iv) $\frac{397}{15}$ (v) $\frac{133}{5}$

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.

17 11 19 25 13 11 34 32 6 47 18

(i) $\frac{382}{9}$ (ii) $\frac{550}{13}$ (iii) $\frac{468}{11}$ (iv) $\frac{466}{11}$ (v) $\frac{464}{11}$

28. If the mean of 5 samples is $25\frac{1}{5}$,

what is the new mean if each number is multiplied by 5 .

(i) 126 (ii) 125 (iii) 128 (iv) 127 (v) 123

29. The mean of 7 numbers is $8\frac{1}{7}$. Upon excluding one number, the mean becomes 8 . Find the excluded number.

(i) 9 (ii) 12 (iii) 10 (iv) 6 (v) 8

30. The mean of 8 numbers is 7 . Upon adding one number, the mean becomes $7\frac{5}{9}$. Find the included number.

(i) 13 (ii) 15 (iii) 12 (iv) 11 (v) 9

Assignment Key

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