EduSahara™ Assignment

Name : Mean of Raw Data

Chapter : Statistics

Grade : SSC Grade IX

1. The scores obtained by 8 students in a test are given below. Find the mean score. 9 5 8 11 14 20 18 18

   (i) 18 (ii) 5 (iii) 15 (iv) $12\frac{7}{8}$ (v) 20

2. The marks obtained by 12 students in a test are given below. Find their mean marks.
   46 10 14 43 18 50 43 28 43 47 11 43

   (i) 36 (ii) 31 (iii) 32 (iv) 33 (v) 34

3. Heights of 12 students (in cm) are given below. Find the mean height.
   132 142 159 135 147 140 156 149 139 130 127 155

   (i) $\frac{1711}{12}$ cm (ii) $\frac{1723}{12}$ cm (iii) $\frac{1735}{12}$ cm (iv) $\frac{428}{3}$ cm (v) $\frac{571}{4}$ cm

4. Heights of 13 plants (in cm) are given below. Find the mean height.
   96 61 95 64 79 93 67 73 87 55 51 78 81

   (i) $\frac{980}{13}$ cm (ii) $\frac{982}{13}$ cm (iii) $\frac{993}{13}$ cm (iv) $\frac{981}{13}$ cm (v) $\frac{1006}{13}$ cm

5. Ages of 14 students (in years) are given below. Find the mean age.
   14 14 11 11 13 10 10 12 15 10 10 12 13 11

   (i) $\frac{90}{7}$ years (ii) $\frac{85}{7}$ years (iii) $\frac{83}{7}$ years (iv) 12 years (v) $\frac{97}{7}$ years

6. Rainfall of 11 days (in mm) are given below. Find the mean rainfall.
   6 7 9 13 14 5 9 14 15 9 15

   (i) $\frac{118}{11}$ mm (ii) $\frac{116}{11}$ mm (iii) $\frac{117}{11}$ mm (iv) $\frac{138}{11}$ mm (v) $\frac{127}{11}$ mm

7. Scores of 14 students are given below. Find the mean score.
   80 70 70 72 85 82 79 75 77 72 83 79 82 86

   (i) 79 (ii) 80 (iii) 77 (iv) 78 (v) 76

8. Temperatures of 10 days (in °C) are given below. Find the mean temperature.
   33 26 35 30 35 32 33 30 27 27

   (i) $\frac{159}{5}$ °C (ii) $\frac{164}{5}$ °C (iii) $\frac{154}{5}$ °C (iv) $\frac{156}{5}$ °C (v) 31 °C

9. Weights of 13 students (in kg) are given below. Find the mean weight.
   58 56 42 44 59 50 48 52 42 50 50 59 54

   (i) $\frac{690}{13}$ kg (ii) $\frac{665}{13}$ kg (iii) $\frac{666}{13}$ kg (iv) $\frac{677}{13}$ kg (v) $\frac{664}{13}$ kg

10. Daily wages of 14 labourers (in ₹) are given below. Find the mean wage.
469 481 371 402 305 320 319 340 307 493 428 380 470 367

(i) ₹389.43 (ii) ₹389.71 (iii) ₹391.43 (iv) ₹390.43 (v) ₹389.57

11. The arithmetic mean of 28 13 14 4 42 is

(i) 19.2 (ii) 21.2 (iii) 20.2 (iv) 22.2 (v) 18.2

12. If the mean of 10 7 6 1 x 2 9 3 is $5\frac{3}{8}$, find the value of x.

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

13. The mean of the below random sample is $30\frac{1}{5}$. Find the missing quantity. 15 44 22 40 14 13 26 39 x 48

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

14. Given the mean of 7 samples as $6\frac{2}{7}$, what is the mean if a sample value is increased by 14 ?

(i) $\frac{74}{9}$ (ii) $\frac{58}{7}$ (iii) $\frac{42}{5}$ (iv) $\frac{60}{7}$ (v) 8

15. Given the mean of 5 samples as $12\frac{4}{5}$, what is the mean if a sample value is decreased by 11 ?

(i) 11 (ii) $\frac{51}{5}$ (iii) $\frac{53}{5}$ (iv) $\frac{73}{7}$

16. Given the mean of 10 samples as $5\frac{1}{10}$,
what is the new mean if two samples 3 and 5 are added ?

(i) $\frac{67}{14}$ (ii) $\frac{61}{12}$ (iii) $\frac{59}{12}$ (iv) $\frac{51}{10}$ (v) $\frac{19}{4}$

17. Given the mean of 12 samples as 5 ,
what is the new mean if two samples 7 and 2 are removed ?

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

18. Find the mean of all prime numbers between 10 and 60.

(i) $\frac{359}{11}$ (ii) $\frac{425}{13}$ (iii) $\frac{423}{13}$ (iv) $\frac{421}{13}$ (v) $\frac{487}{15}$

19. Find the mean of all prime numbers between 50 and 80.

(i) $\frac{595}{9}$ (ii) $\frac{331}{5}$ (iii) $\frac{461}{7}$ (iv) $\frac{465}{7}$ (v) $\frac{463}{7}$

20. Find the mean of first 6 multiples of 7.

(i) $\frac{47}{2}$ (ii) $\frac{49}{2}$ (iii) 25 (iv) $\frac{97}{4}$ (v) $\frac{51}{2}$

21. Find the mean of first 8 whole numbers.

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

22. Find the mean of first 9 multiples of 2.

(i) 10 (ii) 9 (iii) 8 (iv) 11 (v) 13

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

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

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

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

25. 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 increased by 1.

12 32 22 45 12 7 15 10 38 29 25 16 27 15 18

(i) $\frac{112}{5}$ (ii) $\frac{294}{13}$ (iii) $\frac{338}{15}$ (iv) $\frac{382}{17}$ (v) $\frac{68}{3}$

26. 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 1.

32 40 28 42 44 43 12 41 19 2 1 50 2

(i) $\frac{341}{13}$ (ii) $\frac{79}{3}$ (iii) $\frac{345}{13}$ (iv) $\frac{291}{11}$ (v) $\frac{343}{13}$

27. 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 doubled.

22 26 31 25 41 29 12 24 44 23 11 34 39 2 32

(i) $\frac{262}{5}$ (ii) 52 (iii) $\frac{160}{3}$ (iv) $\frac{158}{3}$ (v) 54

28. If the mean of 4 samples is $16\frac{3}{4}$,

what is the new mean if each number is multiplied by 4 .

(i) 64 (ii) 67 (iii) 66 (iv) 68 (v) 69

29. The mean of 9 numbers is $11\frac{4}{9}$. Upon excluding one number, the mean becomes $11\frac{3}{4}$. Find the excluded number.

(i) 8 (ii) 7 (iii) 10 (iv) 12 (v) 9

30. The mean of 8 numbers is 13 . Upon adding one number, the mean becomes 13 . Find the included number.

(i) 12 (ii) 11 (iii) 16 (iv) 13 (v) 14

Assignment Key

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