EduSahara™ Assignment

Name : Mean of Raw Data

Chapter : Mean and Median of Ungrouped Data

Grade : ICSE Grade IX

1. The scores obtained by 11 students in a test are given below. Find the mean score.
11 6 10 18 7 11 5 5 1 14 19

(i) 5 (ii) $9\frac{8}{11}$ (iii) 10 (iv) 18 (v) 1

2. If the mean of 8 5 x 4 10 is $6\frac{3}{5}$, find the value of x.

(i) 7 (ii) 5 (iii) 4 (iv) 6 (v) 8

3. The mean of the below random sample is $32\frac{1}{10}$. Find the missing quantity. 12 29 13 17 28 49 42 x 50 49

(i) 34 (ii) 31 (iii) 32 (iv) 29 (v) 33

4. Given the mean of 14 samples as 8, what is the mean if a sample value is increased by 17 ?

(i) $\frac{147}{16}$ (ii) $\frac{131}{14}$ (iii) $\frac{127}{14}$ (iv) $\frac{37}{4}$ (v) $\frac{129}{14}$

5. Given the mean of 8 samples as $10\frac{3}{4}$, what is the mean if a sample value is decreased by 15 ?

(i) $\frac{55}{6}$ (ii) $\frac{87}{10}$ (iii) $\frac{71}{8}$ (iv) $\frac{73}{8}$ (v) $\frac{69}{8}$

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

(i) $\frac{11}{2}$ (ii) $\frac{19}{4}$ (iii) $\frac{23}{4}$ (iv) $\frac{21}{4}$ (v) $\frac{31}{6}$

7. Given the mean of 12 samples as 6,
what is the new mean if two samples 1 and 4 are removed ?

(i) $\frac{13}{2}$ (ii) $\frac{67}{10}$ (iii) $\frac{55}{8}$ (iv) $\frac{69}{10}$ (v) $\frac{79}{12}$

8. Find the mean of all prime numbers between 10 and 70.

(i) $\frac{183}{5}$ (ii) $\frac{479}{13}$ (iii) $\frac{623}{17}$ (iv) $\frac{551}{15}$ (v) $\frac{553}{15}$

9. Find the mean of all prime numbers between 50 and 100.

(i) $\frac{512}{7}$ (ii) $\frac{368}{5}$ (iii) $\frac{364}{5}$ (iv) $\frac{366}{5}$ (v) $\frac{220}{3}$

10. Find the mean of first 6 multiples of 18.

(i) 63 (ii) 62 (iii) 61 (iv) 64 (v) 66

11. Find the mean of first 8 whole numbers.

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

12. Find the mean of first 9 multiples of 13.

(i) 63 (ii) 65 (iii) 66 (iv) 64 (v) 68

13. Find the mean of the first 10 odd numbers.

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

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

(i) 19 (ii) 20 (iii) 23 (iv) 22 (v) 21

15. The marks obtained by 13 students in a test are given below. Find their mean marks.

30 39 24 32 21 32 27 26 34 23 30 28 48

(i) $\frac{392}{13}$ (ii) $\frac{334}{11}$ (iii) $\frac{454}{15}$ (iv) $\frac{394}{13}$ (v) $\frac{396}{13}$

16. 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 7.

33 8 29 17 26 46 19 30 29 13

(i) 33 (ii) 32 (iii) 29 (iv) 35 (v) 31

17. 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 decreased by 4.

14 26 42 2 44 4 42 26 15 41 31 21

(i) 23 (ii) $\frac{65}{3}$ (iii) 21 (iv) $\frac{107}{5}$ (v) $\frac{67}{3}$

18. 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.

30 11 38 4 33 35 40 28 42 39 45 27 5 44 4

(i) 56 (ii) 58 (iii) $\frac{172}{3}$ (iv) $\frac{170}{3}$ (v) $\frac{282}{5}$

19. Heights of 10 students (in cm) are given below. Find the mean height.

129 146 138 144 133 153 133 127 136 152

(i) $\frac{1393}{10}$ cm (ii) $\frac{696}{5}$ cm (iii) $\frac{1391}{10}$ cm (iv) $\frac{1401}{10}$ cm (v) $\frac{1411}{10}$ cm

20. Heights of 14 plants (in cm) are given below. Find the mean height.

74 81 54 69 75 73 91 87 51 61 57 66 89 64

(i) $\frac{496}{7}$ cm (ii) $\frac{510}{7}$ cm (iii) 71 cm (iv) $\frac{498}{7}$ cm (v) $\frac{503}{7}$ cm

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

(i) $\frac{169}{14}$ years (ii) $\frac{183}{14}$ years (iii) $\frac{171}{14}$ years (iv) $\frac{197}{14}$ years (v) $\frac{85}{7}$ years

22. Rainfall of 12 days (in mm) are given below. Find the mean rainfall.
12 10 13 13 14 12 15 11 12 9 9 8

(i) $\frac{25}{2}$ mm (ii) $\frac{23}{2}$ mm (iii) 12 mm (iv) $\frac{27}{2}$ mm

23. Temperatures of 11 days (in °C) are given below. Find the mean temperature.
34 35 29 34 28 30 27 35 27 33 31

(i) $\frac{344}{11}$ °C (ii) $\frac{365}{11}$ °C (iii) $\frac{354}{11}$ °C (iv) $\frac{343}{11}$ °C (v) $\frac{345}{11}$ °C

24. Weights of 15 students (in kg) are given below. Find the mean weight.
41 59 54 47 59 41 52 46 44 41 40 40 59 60 46

(i) 49 kg (ii) $\frac{253}{5}$ kg (iii) $\frac{248}{5}$ kg (iv) $\frac{243}{5}$ kg (v) $\frac{244}{5}$ kg

25. Daily wages of 10 labourers (in ₹) are given below. Find the mean wage.
356 389 483 418 303 469 400 318 451 409

(i) ₹400.60 (ii) ₹400.00 (iii) ₹399.80 (iv) ₹401.60 (v) ₹399.60

26. If the mean of 4 samples is 18 ,
what is the new mean if 3 is added to each number.

(i) 21 (ii) 20 (iii) 18 (iv) 22 (v) 24

27. If the mean of 8 samples is $31\frac{3}{8}$,
what is the new mean if 3 is subtracted from each number.

(i) $\frac{283}{10}$ (ii) $\frac{227}{8}$ (iii) $\frac{225}{8}$ (iv) $\frac{229}{8}$ (v) $\frac{57}{2}$

28. If the mean of 6 samples is 10 ,
what is the new mean if each number is multiplied by 7 .

(i) 69 (ii) 73 (iii) 71 (iv) 68 (v) 70

29. The mean of 10 numbers is $8\frac{4}{5}$. Upon adding one number, the mean becomes $8\frac{9}{11}$. Find the included number.

(i) 6 (ii) 11 (iii) 10 (iv) 8 (v) 9

30. Scores of 10 students are given below. Find the mean score.
76 76 78 88 77 79 77 75 71 86

(i) $\frac{157}{2}$ (ii) $\frac{803}{10}$ (iii) $\frac{783}{10}$ (iv) $\frac{793}{10}$ (v) $\frac{392}{5}$

31. The mean of 10 numbers is $11\frac{1}{2}$. Upon excluding one number, the mean becomes $12\frac{1}{9}$. Find the excluded number.

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

Assignment Key

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