EduSahara™ Assignment

Name : Mean of Raw Data

Chapter : Mean and Median of Ungrouped Data

Grade : ICSE Grade IX

1. The scores obtained by 6 students in a test are given below. Find the mean score. 10 4 9 12 18 2

   (i) 18 (ii) $9\frac{1}{2}$ (iii) 16 (iv) $9\frac{1}{6}$ (v) 2

2. If the mean of 1 10 7 x 8 5 9 is $6\frac{4}{7}$, find the value of x.

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

3. The mean of the below random sample is $24\frac{1}{2}$. Find the missing quantity. x 34 23 19 35 14 13 31 30 21

   (i) 25 (ii) 22 (iii) 26 (iv) 24 (v) 28

4. Given the mean of 5 samples as $4\frac{3}{5}$, what is the mean if a sample value is increased by 20 ?

   (i) $\frac{43}{5}$ (ii) 9 (iii) $\frac{41}{5}$ (iv) $\frac{59}{7}$

5. Given the mean of 8 samples as 12 , what is the mean if a sample value is decreased by 16 ?

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

6. Given the mean of 10 samples as $4\frac{3}{10}$,
   what is the new mean if two samples 3 and 5 are added ?

   (i) $\frac{25}{6}$ (ii) $\frac{17}{4}$ (iii) $\frac{19}{4}$ (iv) $\frac{9}{2}$ (v) $\frac{15}{4}$

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

   (i) $\frac{27}{5}$ (ii) $\frac{39}{7}$ (iii) $\frac{31}{5}$ (iv) $\frac{19}{3}$ (v) $\frac{29}{5}$

8. Find the mean of all prime numbers between 30 and 90.

   (i) $\frac{299}{5}$ (ii) $\frac{415}{7}$ (iii) $\frac{535}{9}$ (iv) $\frac{419}{7}$ (v) $\frac{417}{7}$

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

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

10. Find the mean of first 8 multiples of 2.

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

11. Find the mean of first 9 whole numbers.

(i) 4 (ii) 3 (iii) 2 (iv) 6 (v) 5

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

(i) 71 (ii) 73 (iii) 70 (iv) 69 (v) 67

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

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

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

(i) 17 (ii) 18 (iii) 13 (iv) 15 (v) 16

15. The marks obtained by 14 students in a test are given below. Find their mean marks.

31 16 33 30 41 39 27 26 31 37 17 31 46 1

(i) 29 (ii) 28 (iii) 31 (iv) 30 (v) 26

16. 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 increased by 2.

17 9 49 8 47 28 1 8 23 33 41 2 43

(i) $\frac{335}{13}$ (ii) $\frac{77}{3}$ (iii) $\frac{337}{13}$ (iv) $\frac{333}{13}$ (v) $\frac{285}{11}$

17. 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 decreased by 10.

48 32 39 32 33 35 8 31 46 25 45

(i) 23 (ii) 27 (iii) 25 (iv) 24 (v) 21

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.

18 38 35 9 36 35 34 9 12 23 49 39 50 34 47

(i) $\frac{312}{5}$ (ii) 62 (iii) $\frac{436}{7}$ (iv) $\frac{188}{3}$ (v) $\frac{314}{5}$

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

165 152 156 142 154 173 140 170 158 170 131 158 157

(i) $\frac{2052}{13}$ cm (ii) $\frac{2026}{13}$ cm (iii) 156 cm (iv) $\frac{2039}{13}$ cm (v) $\frac{2027}{13}$ cm

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

58 83 79 83 81 73 79 90 73 89 53 67 89

(i) $\frac{1010}{13}$ cm (ii) $\frac{999}{13}$ cm (iii) $\frac{998}{13}$ cm (iv) $\frac{997}{13}$ cm (v) $\frac{1023}{13}$ cm

21. Ages of 11 students (in years) are given below. Find the mean age.

11 13 12 10 14 13 11 14 14 14 12

(i) $\frac{138}{11}$ years (ii) $\frac{160}{11}$ years (iii) $\frac{140}{11}$ years (iv) $\frac{139}{11}$ years (v) $\frac{149}{11}$ years

22. Rainfall of 15 days (in mm) are given below. Find the mean rainfall.
10 14 8 13 8 13 12 9 14 11 5 6 10 7 7

(i) $\frac{49}{5}$ mm (ii) 10 mm (iii) $\frac{59}{5}$ mm (iv) $\frac{51}{5}$ mm (v) $\frac{54}{5}$ mm

23. Temperatures of 13 days (in °C) are given below. Find the mean temperature.
34 35 26 28 29 28 33 35 30 26 35 35 25

(i) $\frac{425}{13}$ °C (ii) $\frac{412}{13}$ °C (iii) $\frac{400}{13}$ °C (iv) $\frac{399}{13}$ °C (v) $\frac{401}{13}$ °C

24. Weights of 10 students (in kg) are given below. Find the mean weight.
53 45 43 41 47 60 55 42 41 60

(i) $\frac{244}{5}$ kg (ii) $\frac{489}{10}$ kg (iii) $\frac{507}{10}$ kg (iv) $\frac{497}{10}$ kg (v) $\frac{487}{10}$ kg

25. Daily wages of 13 labourers (in ₹) are given below. Find the mean wage.
300 430 354 325 418 463 302 418 333 380 383 475 406

(i) ₹384.62 (ii) ₹383.77 (iii) ₹385.62 (iv) ₹383.69 (v) ₹383.62

26. If the mean of 7 samples is 18 ,
what is the new mean if 7 is added to each number.

(i) 22 (ii) 26 (iii) 24 (iv) 25 (v) 27

27. If the mean of 4 samples is $36\frac{1}{2}$,
what is the new mean if 10 is subtracted from each number.

(i) $\frac{55}{2}$ (ii) $\frac{53}{2}$ (iii) 27 (iv) $\frac{51}{2}$ (v) $\frac{105}{4}$

28. If the mean of 8 samples is $33\frac{1}{4}$,
what is the new mean if each number is multiplied by 5 .

(i) $\frac{997}{6}$ (ii) $\frac{665}{4}$ (iii) $\frac{663}{4}$ (iv) $\frac{667}{4}$ (v) $\frac{333}{2}$

29. The mean of 9 numbers is $8\frac{8}{9}$. Upon adding one number, the mean becomes $8\frac{1}{5}$. Find the included number.

(i) 1 (ii) 4 (iii) 3 (iv) 2 (v) -1

30. Scores of 12 students are given below. Find the mean score.
84 78 77 89 71 90 77 74 85 74 77 80

(i) $\frac{242}{3}$ (ii) $\frac{241}{3}$ (iii) $\frac{239}{3}$ (iv) 80 (v) $\frac{245}{3}$

31. The mean of 10 numbers is $12\frac{4}{5}$. Upon excluding one number, the mean becomes $13\frac{5}{9}$. Find the excluded number.

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

Assignment Key

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