EduSahara™ Assignment

Name : Mean of Raw Data

Chapter : Mean and Median of Ungrouped Data

Grade : ICSE Grade IX

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1. The scores obtained by 9 students in a test are given below. Find the mean score.
5 9 15 10 10 16 18 13 17

(i) 18 (ii) 13 (iii) 5 (iv) 10 (v) $12\frac{5}{9}$

2. If the mean of 4 3 9 x 8 7 5 is $5\frac{3}{7}$, find the value of x.

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

3. The mean of the below random sample is $28\frac{3}{5}$. Find the missing quantity. 21 47 41 20 38 34 x 49 11 13

(i) 13 (ii) 9 (iii) 14 (iv) 11 (v) 12

4. Given the mean of 10 samples as $9\frac{4}{5}$, what is the mean if a sample value is increased by 11 ?

(i) $\frac{107}{10}$ (ii) $\frac{43}{4}$ (iii) $\frac{89}{8}$ (iv) $\frac{109}{10}$ (v) $\frac{111}{10}$

5. Given the mean of 15 samples as $9\frac{2}{3}$, what is the mean if a sample value is decreased by 14 ?

(i) $\frac{133}{15}$ (ii) $\frac{43}{5}$ (iii) $\frac{147}{17}$ (iv) $\frac{131}{15}$ (v) $\frac{115}{13}$

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

(i) $\frac{21}{4}$ (ii) $\frac{11}{2}$ (iii) $\frac{31}{6}$ (iv) $\frac{41}{8}$ (v) $\frac{29}{6}$

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

(i) $\frac{33}{5}$ (ii) $\frac{43}{7}$ (iii) $\frac{31}{5}$ (iv) $\frac{19}{3}$ (v) $\frac{29}{5}$

8. Find the mean of all prime numbers between 20 and 70.

(i) $\frac{493}{11}$ (ii) $\frac{403}{9}$ (iii) $\frac{579}{13}$ (iv) $\frac{489}{11}$ (v) $\frac{491}{11}$

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

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

10. Find the mean of first 10 multiples of 15.

(i) $\frac{329}{4}$ (ii) $\frac{167}{2}$ (iii) $\frac{165}{2}$ (iv) 83 (v) $\frac{163}{2}$

11. Find the mean of first 7 whole numbers.

(i) 5 (ii) 3 (iii) 4 (iv) 2 (v) 0

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

(i) 47 (ii) 46 (iii) 42 (iv) 45 (v) 44

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

(i) 15 (ii) 17 (iii) 14 (iv) 16 (v) 12

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

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

15. The marks obtained by 10 students in a test are given below. Find their mean marks.
49 25 45 7 21 48 39 38 44 44

(i) 38 (ii) 35 (iii) 34 (iv) 36 (v) 37

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 6.
26 40 50 4 39 41 17 25 46 19

(i) $\frac{295}{8}$ (ii) $\frac{73}{2}$ (iii) $\frac{369}{10}$ (iv) $\frac{367}{10}$ (v) $\frac{439}{12}$

17. 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 decreased by 8.
9 50 32 7 31 44 17 46 40 23 10 2 8 11

(i) $\frac{109}{7}$ (ii) $\frac{79}{5}$ (iii) $\frac{139}{9}$ (iv) $\frac{107}{7}$ (v) $\frac{111}{7}$

18. 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 doubled.
44 5 37 48 12 11 42 23 31 45 36 37 13

(i) $\frac{766}{13}$ (ii) $\frac{768}{13}$ (iii) $\frac{770}{13}$ (iv) $\frac{886}{15}$ (v) $\frac{650}{11}$

19. Heights of 10 students (in cm) are given below. Find the mean height.
135 156 135 139 141 157 125 175 170 147

(i) 148 cm (ii) 150 cm (iii) 147 cm (iv) 149 cm (v) 146 cm

20. Heights of 11 plants (in cm) are given below. Find the mean height.
50 97 67 96 83 77 61 99 57 91 97

(i) $\frac{876}{11}$ cm (ii) $\frac{875}{11}$ cm (iii) $\frac{886}{11}$ cm (iv) $\frac{897}{11}$ cm (v) $\frac{877}{11}$ cm

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

(i) $\frac{187}{13}$ years (ii) $\frac{174}{13}$ years (iii) $\frac{175}{13}$ years (iv) $\frac{200}{13}$ years (v) $\frac{176}{13}$ years

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

(i) $\frac{128}{11}$ mm (ii) $\frac{139}{11}$ mm (iii) $\frac{117}{11}$ mm (iv) $\frac{118}{11}$ mm (v) $\frac{119}{11}$ mm

23. Temperatures of 13 days (in °C) are given below. Find the mean temperature.
28 31 26 31 31 31 28 27 26 27 34 30 31

(i) $\frac{394}{13}$ °C (ii) $\frac{383}{13}$ °C (iii) $\frac{382}{13}$ °C (iv) $\frac{407}{13}$ °C (v) $\frac{381}{13}$ °C

24. Weights of 14 students (in kg) are given below. Find the mean weight.
55 52 51 44 45 48 57 48 46 54 48 58 51 41

(i) $\frac{349}{7}$ kg (ii) $\frac{356}{7}$ kg (iii) 50 kg (iv) $\frac{363}{7}$ kg (v) $\frac{351}{7}$ kg

25. Daily wages of 15 labourers (in ₹) are given below. Find the mean wage.
336 377 329 458 478 383 484 327 358 431 453 340 422 309 375

(i) ₹391.67 (ii) ₹391.00 (iii) ₹391.33 (iv) ₹390.67 (v) ₹392.67

26. If the mean of 6 samples is 23 ,
what is the new mean if 6 is added to each number.

(i) 31 (ii) 29 (iii) 28 (iv) 30 (v) 27

27. If the mean of 4 samples is 42 ,
what is the new mean if 9 is subtracted from each number.

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

28. If the mean of 5 samples is $32\frac{1}{5}$,
what is the new mean if each number is multiplied by 9 .

(i) $\frac{1451}{5}$ (ii) $\frac{1447}{5}$ (iii) $\frac{2027}{7}$ (iv) $\frac{871}{3}$ (v) $\frac{1449}{5}$

29. The mean of 9 numbers is $11\frac{1}{3}$. Upon adding one number, the mean becomes $10\frac{7}{10}$. Find the included number.

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

30. Scores of 15 students are given below. Find the mean score.
75 72 88 75 89 85 71 70 73 79 88 89 77 82 82

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

31. The mean of 5 numbers is $7\frac{4}{5}$. Upon excluding one number, the mean becomes $9\frac{1}{4}$. Find the excluded number.

(i) 2 (ii) 5 (iii) 0 (iv) 3 (v) 1

Assignment Key

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