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 7 students in a test are given below. Find the mean score. 2 6 13 19 6 4 13

   (i) 19 (ii) 2 (iii) 9 (iv) 17 (v) 6

2. If the mean of 7 2 3 x 8 4 is $4\frac{1}{6}$, find the value of x.

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

3. The mean of the below random sample is $32\frac{2}{5}$. Find the missing quantity. 45 17 47 34 19 10 50 15 47 x

   (i) 40 (ii) 43 (iii) 37 (iv) 41 (v) 39

4. Given the mean of 14 samples as $7\frac{11}{14}$, what is the mean if a sample value is increased by 17 ?

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

5. Given the mean of 7 samples as $11\frac{6}{7}$, what is the mean if a sample value is decreased by 18 ?

   (i) 9 (ii) $\frac{47}{5}$ (iii) $\frac{83}{9}$ (iv) $\frac{67}{7}$ (v) $\frac{65}{7}$

6. Given the mean of 10 samples as $4\frac{9}{10}$,
   what is the new mean if two samples 1 and 6 are added ?

   (i) 6 (ii) $\frac{22}{5}$ (iii) 4 (iv) $\frac{14}{3}$ (v) $\frac{16}{3}$

7. Given the mean of 12 samples as $5\frac{1}{6}$,
   what is the new mean if two samples 4 and 7 are removed ?

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

8. Find the mean of all prime numbers between 10 and 80.

   (i) 42 (ii) 45 (iii) 43 (iv) 41 (v) 44

9. Find the mean of all prime numbers between 20 and 90.

   (i) $\frac{441}{8}$ (ii) $\frac{553}{10}$ (iii) $\frac{443}{8}$ (iv) $\frac{111}{2}$ (v) $\frac{445}{8}$

10. Find the mean of first 7 multiples of 17.

    (i) 69 (ii) 71 (iii) 66 (iv) 68 (v) 67

11. Find the mean of first 5 whole numbers.

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

12. Find the mean of first 5 multiples of 19.

(i) 60 (ii) 56 (iii) 55 (iv) 57 (v) 58

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

(i) 10 (ii) 11 (iii) 7 (iv) 9 (v) 13

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

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

15. The marks obtained by 11 students in a test are given below. Find their mean marks.

38 15 48 15 21 10 27 33 47 33 5

(i) $\frac{290}{11}$ (ii) $\frac{80}{3}$ (iii) $\frac{294}{11}$ (iv) $\frac{292}{11}$ (v) $\frac{344}{13}$

16. 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 2.

16 44 38 12 8 13 47 17 35 7 28 43 45 38 20

(i) $\frac{89}{3}$ (ii) $\frac{149}{5}$ (iii) $\frac{147}{5}$ (iv) $\frac{205}{7}$ (v) 29

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 1.

20 20 5 20 10 11 8 36 17 8 43 49 44 39

(i) $\frac{158}{7}$ (ii) $\frac{160}{7}$ (iii) $\frac{156}{7}$ (iv) $\frac{202}{9}$ (v) $\frac{114}{5}$

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.

18 43 35 2 42 26 24 41 28 33 17 45 48

(i) $\frac{804}{13}$ (ii) $\frac{802}{13}$ (iii) $\frac{926}{15}$ (iv) 62

19. Heights of 15 students (in cm) are given below. Find the mean height.

128 146 170 152 161 148 143 169 148 152 148 158 128 174 165

(i) $\frac{461}{3}$ cm (ii) $\frac{460}{3}$ cm (iii) $\frac{458}{3}$ cm (iv) $\frac{464}{3}$ cm (v) 153 cm

20. Heights of 15 plants (in cm) are given below. Find the mean height.

80 68 87 75 69 91 72 57 54 82 56 57 81 83 100

(i) $\frac{371}{5}$ cm (ii) $\frac{1112}{15}$ cm (iii) $\frac{1114}{15}$ cm (iv) $\frac{1127}{15}$ cm (v) $\frac{1142}{15}$ cm

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

13 15 10 10 14 12 14 13 13 10 14 12 14 14 14

(i) $\frac{69}{5}$ years (ii) $\frac{64}{5}$ years (iii) 13 years (iv) $\frac{74}{5}$ years (v) $\frac{66}{5}$ years

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

(i) $\frac{167}{13}$ mm (ii) 11 mm (iii) $\frac{142}{13}$ mm (iv) $\frac{141}{13}$ mm (v) $\frac{154}{13}$ mm

23. Temperatures of 11 days (in °C) are given below. Find the mean temperature.
29 34 27 31 31 34 27 26 25 25 30

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

24. Weights of 14 students (in kg) are given below. Find the mean weight.
56 52 54 58 55 53 53 57 44 49 40 49 59 42

(i) 52 kg (ii) $\frac{107}{2}$ kg (iii) $\frac{105}{2}$ kg (iv) $\frac{103}{2}$ kg

25. Daily wages of 12 labourers (in ₹) are given below. Find the mean wage.
336 463 465 386 340 421 450 377 375 375 340 394

(i) ₹393.50 (ii) ₹395.50 (iii) ₹394.00 (iv) ₹394.50

26. If the mean of 6 samples is $23\frac{2}{3}$,
what is the new mean if 7 is added to each number.

(i) $\frac{94}{3}$ (ii) 32 (iii) 30 (iv) $\frac{92}{3}$ (v) $\frac{152}{5}$

27. If the mean of 8 samples is $26\frac{1}{2}$,
what is the new mean if 4 is subtracted from each number.

(i) $\frac{43}{2}$ (ii) 23 (iii) $\frac{45}{2}$ (iv) $\frac{89}{4}$ (v) $\frac{47}{2}$

28. If the mean of 7 samples is $24\frac{4}{7}$,
what is the new mean if each number is multiplied by 7 .

(i) 173 (ii) 170 (iii) 171 (iv) 175 (v) 172

29. The mean of 8 numbers is $10\frac{1}{2}$. Upon adding one number, the mean becomes $10\frac{5}{9}$. Find the included number.

(i) 12 (ii) 11 (iii) 10 (iv) 9 (v) 14

30. Scores of 11 students are given below. Find the mean score.
90 74 82 86 70 78 84 89 76 84 82

(i) $\frac{917}{11}$ (ii) $\frac{896}{11}$ (iii) $\frac{897}{11}$ (iv) $\frac{906}{11}$ (v) $\frac{895}{11}$

31. The mean of 5 numbers is $14\frac{1}{5}$. Upon excluding one number, the mean becomes $16\frac{3}{4}$. Find the excluded number.

(i) 4 (ii) 7 (iii) 2 (iv) 5 (v) 3

Assignment Key

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

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