EduSahara™ Assignment

Name : Mean of Raw Data

Chapter : Statistics

Grade : CBSE Grade IX

1. If the mean of 9 10 7 x 3 4 is $5\frac{2}{3}$, find the value of x.

   (i) 1 (ii) 0 (iii) -1 (iv) 4 (v) 2

2. The mean of the below random sample is $32\frac{7}{10}$. Find the missing quantity. 35 13 41 23 28 x 32 35 50 38

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

3. Given the mean of 12 samples as 10, what is the mean if a sample value is increased by 19 ?

   (i) $\frac{23}{2}$ (ii) $\frac{47}{4}$ (iii) $\frac{137}{12}$ (iv) $\frac{139}{12}$ (v) $\frac{117}{10}$

4. Given the mean of 14 samples as $11\frac{6}{7}$, what is the mean if a sample value is decreased by 14 ?

   (i) $\frac{78}{7}$ (ii) $\frac{76}{7}$ (iii) $\frac{74}{7}$ (iv) $\frac{32}{3}$ (v) $\frac{56}{5}$

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

   (i) 5 (ii) $\frac{19}{3}$ (iii) 7 (iv) $\frac{27}{5}$ (v) $\frac{17}{3}$

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

   (i) 6 (ii) 5 (iii) 7 (iv) 3 (v) 8

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

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

8. Find the mean of all prime numbers between 20 and 60.

   (i) $\frac{121}{3}$ (ii) $\frac{119}{3}$ (iii) $\frac{201}{5}$ (iv) 41

9. Find the mean of first 8 multiples of 11.

   (i) $\frac{101}{2}$ (ii) $\frac{197}{4}$ (iii) $\frac{99}{2}$ (iv) $\frac{97}{2}$ (v) 50

10. Find the mean of first 8 whole numbers.

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

11. Find the mean of first 8 multiples of 19.

(i) $\frac{173}{2}$ (ii) 86 (iii) $\frac{341}{4}$ (iv) $\frac{169}{2}$ (v) $\frac{171}{2}$

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

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

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

(i) 13 (ii) 17 (iii) 19 (iv) 15 (v) 16

14. The marks obtained by 13 students in a test are given below. Find their mean marks.
42 11 16 35 33 30 30 46 13 41 15 22 18

(i) $\frac{350}{13}$ (ii) $\frac{352}{13}$ (iii) $\frac{298}{11}$ (iv) $\frac{354}{13}$ (v) $\frac{406}{15}$

15. 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 increased by 3.
27 2 11 5 46 46 30 22 41 41 10

(i) $\frac{314}{11}$ (ii) $\frac{370}{13}$ (iii) $\frac{316}{11}$ (iv) $\frac{86}{3}$ (v) $\frac{312}{11}$

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 decreased by 6.
46 9 4 40 21 15 50 22 14 44 14 8 3

(i) $\frac{212}{13}$ (ii) $\frac{180}{11}$ (iii) $\frac{244}{15}$ (iv) $\frac{210}{13}$ (v) $\frac{214}{13}$

17. 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 doubled.
5 29 32 41 7 4 26 50 49 48

(i) $\frac{293}{5}$ (ii) $\frac{407}{7}$ (iii) $\frac{291}{5}$ (iv) $\frac{289}{5}$ (v) $\frac{175}{3}$

18. Heights of 14 students (in cm) are given below. Find the mean height.
152 144 140 174 168 138 143 133 136 153 136 170 143 145

(i) $\frac{2103}{14}$ cm (ii) $\frac{2075}{14}$ cm (iii) $\frac{2077}{14}$ cm (iv) $\frac{2089}{14}$ cm (v) $\frac{1038}{7}$ cm

19. Heights of 12 plants (in cm) are given below. Find the mean height.
84 81 79 51 85 63 80 97 57 89 99 61

(i) $\frac{469}{6}$ cm (ii) $\frac{463}{6}$ cm (iii) $\frac{475}{6}$ cm (iv) $\frac{232}{3}$ cm (v) $\frac{155}{2}$ cm

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

(i) $\frac{53}{4}$ years (ii) $\frac{157}{12}$ years (iii) $\frac{169}{12}$ years (iv) $\frac{181}{12}$ years (v) $\frac{79}{6}$ years

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

(i) $\frac{26}{3}$ mm (ii) $\frac{31}{3}$ mm (iii) $\frac{25}{3}$ mm (iv) $\frac{28}{3}$ mm (v) 9 mm

22. Scores of 14 students are given below. Find the mean score.
87 78 89 73 75 81 77 79 84 83 89 82 73 80

(i) $\frac{579}{7}$ (ii) 81 (iii) $\frac{565}{7}$ (iv) $\frac{572}{7}$ (v) $\frac{566}{7}$

23. Temperatures of 12 days (in °C) are given below. Find the mean temperature.
29 33 33 30 30 35 33 30 31 26 35 25

(i) $\frac{197}{6}$ °C (ii) $\frac{185}{6}$ °C (iii) $\frac{191}{6}$ °C (iv) $\frac{187}{6}$ °C (v) 31 °C

24. Weights of 10 students (in kg) are given below. Find the mean weight.
45 48 40 54 42 60 53 57 57 56

(i) $\frac{257}{5}$ kg (ii) $\frac{261}{5}$ kg (iii) $\frac{258}{5}$ kg (iv) $\frac{256}{5}$ kg (v) $\frac{266}{5}$ kg

25. Daily wages of 14 labourers (in ₹) are given below. Find the mean wage.
305 339 482 304 389 395 406 471 447 410 436 330 470 403

(i) ₹399.07 (ii) ₹400.07 (iii) ₹399.14 (iv) ₹399.21 (v) ₹401.07

26. The arithmetic mean of a + 2, a, and a - 2 is

(i) a (ii) a - 2 (iii) a + 2 (iv) 3a

27. If the mean of 5 samples is 22 ,
what is the new mean if 3 is added to each number.

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

28. If the mean of 5 samples is $25\frac{2}{5}$,
what is the new mean if 10 is subtracted from each number.

(i) $\frac{107}{7}$ (ii) $\frac{79}{5}$ (iii) $\frac{77}{5}$ (iv) 15 (v) $\frac{47}{3}$

29. If the mean of 4 samples is $36\frac{1}{2}$,
what is the new mean if each number is multiplied by 9 .

(i) $\frac{659}{2}$ (ii) 329 (iii) $\frac{1313}{4}$ (iv) $\frac{657}{2}$ (v) $\frac{655}{2}$

30. The mean of 7 numbers is 6 . Upon excluding one number, the mean becomes $4\frac{5}{6}$. Find the excluded number.

(i) 15 (ii) 13 (iii) 11 (iv) 14 (v) 12

31. The mean of 5 numbers is 9 . Upon adding one number, the mean becomes $8\frac{5}{6}$. Find the included number.

(i) 7 (ii) 10 (iii) 8 (iv) 9 (v) 5

32. The scores obtained by 6 students in a test are given below. Find the mean score. 19 12 17 16 18 20

(i) 12 (ii) 8 (iii) $17\frac{1}{2}$ (iv) 17 (v) 20

33. The arithmetic mean of 10 31 32 21 14 37 15 is

(i) 20.86 (ii) 22.86 (iii) 23.86 (iv) 21.86 (v) 24.86

Assignment Key

1) (i)	2) (iii)	3) (iv)	4) (ii)	5) (v)	6) (i)
7) (i)	8) (i)	9) (iii)	10) (v)	11) (v)	12) (ii)
13) (v)	14) (ii)	15) (i)	16) (i)	17) (iii)	18) (ii)
19) (ii)	20) (ii)	21) (iii)	22) (iii)	23) (ii)	24) (iv)
25) (i)	26) (i)	27) (i)	28) (iii)	29) (iv)	30) (ii)
31) (iii)	32) (iv)	33) (ii)			