EduSahara™ Assignment

Name : Arithmetic Mean

Chapter : Data Handling

Grade : SSC Grade VII

1. The scores obtained by 6 students in a test are given below. Find the mean score. 20 18 13 1 16 13

   (i) $13\frac{1}{2}$ (ii) 1 (iii) $14\frac{1}{2}$ (iv) 20 (v) 19

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

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

3. Find the mean of all prime numbers between 30 and 70.

   (i) $\frac{439}{9}$ (ii) 49 (iii) $\frac{437}{9}$ (iv) $\frac{535}{11}$

4. Find the mean of first 5 multiples of 10.

   (i) 29 (ii) 28 (iii) 30 (iv) 32 (v) 31

5. Find the mean of first 9 whole numbers.

   (i) 7 (ii) 4 (iii) 1 (iv) 3 (v) 5

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

   (i) 32 (ii) 35 (iii) 34 (iv) 33 (v) 31

7. Find the mean of the first 20 odd numbers.

   (i) 19 (ii) 20 (iii) 17 (iv) 22 (v) 21

8. Find the mean of the first 10 even numbers.

   (i) 10 (ii) 11 (iii) 13 (iv) 9 (v) 12

9. The marks obtained by 10 students in a test are given below. Find their mean marks.
   44 9 19 2 19 1 15 22 14 39

   (i) $\frac{56}{3}$ (ii) $\frac{128}{7}$ (iii) $\frac{94}{5}$ (iv) 18 (v) $\frac{92}{5}$

10. 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 5.
    8 43 12 34 7 36 23 22 19 26 8 34 10

    (i) $\frac{133}{5}$ (ii) $\frac{349}{13}$ (iii) $\frac{345}{13}$ (iv) $\frac{347}{13}$ (v) $\frac{295}{11}$

11. 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 6.
    41 18 33 5 1 50 9 13 17 3 6 13

    (i) $\frac{137}{12}$ (ii) $\frac{45}{4}$ (iii) $\frac{159}{14}$ (iv) $\frac{139}{12}$ (v) $\frac{23}{2}$

12. 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 doubled.

37 32 24 34 16 37 32 3 7 24 26 1

(i) 46 (ii) $\frac{181}{4}$ (iii) $\frac{93}{2}$ (iv) $\frac{89}{2}$ (v) $\frac{91}{2}$

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

162 169 174 162 131 132 126 170 139 126 156 136 128 140 129

(i) 146 cm (ii) $\frac{436}{3}$ cm (iii) $\frac{442}{3}$ cm (iv) $\frac{439}{3}$ cm (v) $\frac{437}{3}$ cm

14. Heights of 10 plants (in cm) are given below. Find the mean height.

91 88 87 95 70 84 100 70 88 61

(i) $\frac{427}{5}$ cm (ii) $\frac{418}{5}$ cm (iii) $\frac{419}{5}$ cm (iv) $\frac{422}{5}$ cm (v) $\frac{417}{5}$ cm

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

11 11 13 13 14 10 11 15 11 14 11 14 14 12 10

(i) $\frac{62}{5}$ years (ii) $\frac{199}{15}$ years (iii) $\frac{214}{15}$ years (iv) $\frac{184}{15}$ years (v) $\frac{37}{3}$ years

16. Rainfall of 13 days (in mm) are given below. Find the mean rainfall.

11 9 13 6 7 9 5 13 5 8 6 9 5

(i) $\frac{132}{13}$ mm (ii) $\frac{107}{13}$ mm (iii) $\frac{108}{13}$ mm (iv) $\frac{119}{13}$ mm (v) $\frac{106}{13}$ mm

17. Scores of 13 students are given below. Find the mean score.

76 83 87 88 81 85 88 75 85 86 70 76 77

(i) $\frac{1083}{13}$ (ii) $\frac{1057}{13}$ (iii) $\frac{1070}{13}$ (iv) $\frac{1059}{13}$ (v) $\frac{1058}{13}$

18. Temperatures of 12 days (in °C) are given below. Find the mean temperature.

26 33 30 26 34 27 33 28 33 28 32 34

(i) $\frac{91}{3}$ °C (ii) $\frac{92}{3}$ °C (iii) $\frac{97}{3}$ °C (iv) 31 °C (v) $\frac{94}{3}$ °C

19. Weights of 10 students (in kg) are given below. Find the mean weight.

52 41 45 41 59 43 57 41 52 53

(i) $\frac{247}{5}$ kg (ii) $\frac{252}{5}$ kg (iii) $\frac{242}{5}$ kg (iv) $\frac{243}{5}$ kg (v) $\frac{244}{5}$ kg

20. Daily wages of 11 labourers (in ₹) are given below. Find the mean wage.

453 386 391 419 450 491 492 322 462 318 320

(i) ₹409.45 (ii) ₹409.55 (iii) ₹409.64 (iv) ₹410.45 (v) ₹411.45

21. If the mean of 4 10 1 2 x 5 3 6 is $4\frac{3}{4}$, find the value of x.

(i) 10 (ii) 8 (iii) 6 (iv) 4 (v) 7

22. The mean of the below random sample is $34\frac{3}{5}$. Find the missing quantity. 42 x 42 29 32 49 44 44 18 34

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

23. Given the mean of 8 samples as $9\frac{1}{2}$, what is the mean if a sample value is increased by 15 ?

(i) $\frac{89}{8}$ (ii) $\frac{91}{8}$ (iii) $\frac{113}{10}$ (iv) $\frac{93}{8}$ (v) $\frac{23}{2}$

24. Given the mean of 8 samples as $11\frac{5}{8}$, what is the mean if a sample value is decreased by 12 ?

(i) $\frac{61}{6}$ (ii) $\frac{83}{8}$ (iii) $\frac{81}{8}$ (iv) $\frac{79}{8}$ (v) $\frac{101}{10}$

25. Given the mean of 10 samples as $6\frac{7}{10}$,
what is the new mean if two samples 3 and 8 are added ?

(i) $\frac{15}{2}$ (ii) $\frac{13}{2}$ (iii) $\frac{11}{2}$ (iv) $\frac{25}{4}$ (v) 7

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

(i) $\frac{49}{8}$ (ii) $\frac{61}{10}$ (iii) $\frac{73}{12}$ (iv) $\frac{59}{10}$ (v) $\frac{63}{10}$

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

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

28. The arithmetic mean of 36 47 4 35 27 40 18 38 is

(i) 30.62 (ii) 31.62 (iii) 32.62 (iv) 29.62 (v) 28.62

29. If the mean of 7 samples is $24\frac{6}{7}$,
what is the new mean if 6 is added to each number.

(i) $\frac{156}{5}$ (ii) $\frac{216}{7}$ (iii) $\frac{92}{3}$ (iv) $\frac{214}{7}$ (v) $\frac{218}{7}$

30. If the mean of 7 samples is $18\frac{1}{7}$,
what is the new mean if 4 is subtracted from each number.

(i) $\frac{97}{7}$ (ii) $\frac{127}{9}$ (iii) $\frac{99}{7}$ (iv) $\frac{71}{5}$ (v) $\frac{101}{7}$

31. If the mean of 4 samples is $36\frac{1}{2}$,
what is the new mean if each number is multiplied by 3 .

(i) 110 (ii) $\frac{221}{2}$ (iii) $\frac{219}{2}$ (iv) $\frac{437}{4}$ (v) $\frac{217}{2}$

32. The mean of 5 numbers is $13\frac{2}{5}$. Upon excluding one number, the mean becomes $14\frac{1}{2}$. Find the excluded number.

(i) 7 (ii) 10 (iii) 11 (iv) 8 (v) 9

33. The mean of 8 numbers is $13\frac{1}{8}$. Upon adding one number, the mean becomes $13\frac{4}{9}$. Find the included number.

(i) 15 (ii) 16 (iii) 18 (iv) 14 (v) 17

Assignment Key

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