



1. The scores obtained by 7 students in a test are given below. Find the mean score. 3 8 4 17 12 1 18

- (i) 18 (ii) 1 (iii) 17 (iv) 8 (v) 9

2. If the mean of 1 4 9 x 10 3 is $5\frac{5}{6}$, find the value of x.

- (i) 8 (ii) 11 (iii) 9 (iv) 5 (v) 7

3. The mean of the below random sample is $29\frac{9}{10}$. Find the missing quantity. 22 45 42 25 27 33 31 28 x 25

- (i) 21 (ii) 22 (iii) 23 (iv) 20 (v) 18

4. Given the mean of 5 samples as $8\frac{4}{5}$, what is the mean if a sample value is increased by 11?

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

5. Given the mean of 9 samples as $9\frac{1}{9}$, what is the mean if a sample value is decreased by 13?

- (i) $\frac{23}{3}$ (ii) 7 (iii) 9 (iv) $\frac{25}{3}$ (v) $\frac{37}{5}$

6. Given the mean of 10 samples as $5\frac{9}{10}$,
what is the new mean if two samples 10 and 9 are added?

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

7. Given the mean of 12 samples as $6\frac{5}{12}$,
what is the new mean if two samples 2 and 1 are removed?

- (i) 7 (ii) $\frac{39}{5}$ (iii) $\frac{51}{7}$ (iv) $\frac{23}{3}$ (v) $\frac{37}{5}$

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

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

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

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

10. Find the mean of first 10 multiples of 11.

- (i) $\frac{241}{4}$ (ii) $\frac{119}{2}$ (iii) $\frac{121}{2}$ (iv) $\frac{123}{2}$ (v) 61

11. Find the mean of first 10 whole numbers.

- (i) $\frac{9}{2}$ (ii) $\frac{17}{4}$ (iii) $\frac{7}{2}$ (iv) 5 (v) $\frac{11}{2}$

12. Find the mean of first 6 multiples of 5.

- (i) 18 (ii) $\frac{35}{2}$ (iii) $\frac{33}{2}$ (iv) $\frac{37}{2}$ (v) $\frac{69}{4}$

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

- (i) 18 (ii) 20 (iii) 21 (iv) 22 (v) 19

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

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

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

12 23 34 9 42 7 28 13 23 14 9

- (i) $\frac{214}{11}$ (ii) $\frac{216}{11}$ (iii) $\frac{212}{11}$ (iv) $\frac{252}{13}$ (v) $\frac{176}{9}$

16. 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 increased by 4.

28 49 43 46 26 49 38 26 3 46 28 42 5 9

- (i) $\frac{177}{5}$ (ii) $\frac{247}{7}$ (iii) 35 (iv) $\frac{249}{7}$ (v) $\frac{317}{9}$

17. 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 3.

45 41 20 23 35 44 29 4 27 13 21 18 32

- (i) $\frac{361}{15}$ (ii) $\frac{313}{13}$ (iii) $\frac{315}{13}$ (iv) $\frac{311}{13}$ (v) $\frac{265}{11}$

18. 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.

8 23 24 10 11 40 35 32 24 41 12 49

- (i) $\frac{105}{2}$ (ii) 52 (iii) $\frac{205}{4}$ (iv) $\frac{103}{2}$ (v) $\frac{101}{2}$

19. Heights of 14 students (in cm) are given below. Find the mean height.

142 136 144 157 149 168 135 126 148 161 153 154 152 157

- (i) $\frac{1041}{7}$ cm (ii) 149 cm (iii) $\frac{1048}{7}$ cm (iv) $\frac{1042}{7}$ cm (v) $\frac{1055}{7}$ cm

20. Heights of 15 plants (in cm) are given below. Find the mean height.
71 54 84 60 85 92 94 73 99 51 63 72 68 62 89
- (i) $\frac{1147}{15}$ cm (ii) $\frac{373}{5}$ cm (iii) $\frac{1118}{15}$ cm (iv) $\frac{1132}{15}$ cm (v) $\frac{1117}{15}$ cm

21. Ages of 11 students (in years) are given below. Find the mean age.
12 11 10 11 14 15 15 10 12 10 13
- (i) $\frac{144}{11}$ years (ii) $\frac{155}{11}$ years (iii) $\frac{133}{11}$ years (iv) $\frac{135}{11}$ years (v) $\frac{134}{11}$ years

22. Rainfall of 14 days (in mm) are given below. Find the mean rainfall.
13 8 12 7 9 15 14 10 10 7 8 7 6 7
- (i) $\frac{19}{2}$ mm (ii) $\frac{21}{2}$ mm (iii) $\frac{23}{2}$ mm (iv) 10 mm

23. Temperatures of 12 days (in °C) are given below. Find the mean temperature.
28 28 26 35 26 35 34 29 32 28 34 28
- (i) $\frac{129}{4}$ °C (ii) $\frac{125}{4}$ °C (iii) $\frac{121}{4}$ °C (iv) $\frac{123}{4}$ °C (v) $\frac{61}{2}$ °C

24. Weights of 12 students (in kg) are given below. Find the mean weight.
40 48 41 44 53 50 48 53 58 52 59 60
- (i) $\frac{101}{2}$ kg (ii) $\frac{105}{2}$ kg (iii) 51 kg (iv) $\frac{103}{2}$ kg

25. Daily wages of 10 labourers (in ₹) are given below. Find the mean wage.
305 368 305 395 386 350 449 407 334 341
- (i) ₹366.00 (ii) ₹362.00 (iii) ₹364.00 (iv) ₹365.00 (v) ₹363.00

26. If the mean of 5 samples is $22\frac{4}{5}$,
what is the new mean if 4 is added to each number.
- (i) $\frac{132}{5}$ (ii) $\frac{82}{3}$ (iii) $\frac{136}{5}$ (iv) $\frac{186}{7}$ (v) $\frac{134}{5}$

27. If the mean of 7 samples is $29\frac{5}{7}$,
what is the new mean if 3 is subtracted from each number.
- (i) $\frac{185}{7}$ (ii) 27 (iii) $\frac{239}{9}$ (iv) $\frac{187}{7}$

28. If the mean of 8 samples is $30\frac{3}{4}$,
what is the new mean if each number is multiplied by 10.
- (i) $\frac{617}{2}$ (ii) 308 (iii) $\frac{613}{2}$ (iv) $\frac{615}{2}$ (v) $\frac{1229}{4}$

29. The mean of 5 numbers is $10\frac{3}{5}$. Upon adding one number, the mean becomes $9\frac{2}{3}$. Find the included number.

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

30. Scores of 15 students are given below. Find the mean score.

90 75 90 79 86 90 78 72 87 71 87 81 90 76 85

- (i) $\frac{1267}{15}$ (ii) $\frac{1237}{15}$ (iii) $\frac{1238}{15}$ (iv) $\frac{413}{5}$ (v) $\frac{1252}{15}$

31. The mean of 5 numbers is $10\frac{4}{5}$. Upon excluding one number, the mean becomes $9\frac{1}{2}$. Find the excluded number.

- (i) 15 (ii) 14 (iii) 16 (iv) 17 (v) 19

Assignment Key

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