



1. The scores obtained by 7 students in a test are given below. Find the mean score. 4 7 3 19 2 7 8

- (i) $7\frac{1}{7}$ (ii) 19 (iii) 7 (iv) 17 (v) 2

2. If the mean of 8 5 x 4 2 is $5\frac{1}{5}$, find the value of x.

- (i) 8 (ii) 7 (iii) 10 (iv) 6 (v) 5

3. The mean of the below random sample is $23\frac{4}{5}$. Find the missing quantity. 20 17 35 20 x 13 10 47 48 18

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

4. Given the mean of 15 samples as $6\frac{13}{15}$, what is the mean if a sample value is increased by 11?

- (i) $\frac{36}{5}$ (ii) $\frac{38}{5}$ (iii) 8 (iv) $\frac{52}{7}$

5. Given the mean of 15 samples as $12\frac{2}{15}$, what is the mean if a sample value is decreased by 19?

- (i) $\frac{183}{17}$ (ii) $\frac{163}{15}$ (iii) 11 (iv) $\frac{161}{15}$

6. Given the mean of 10 samples as $6\frac{1}{5}$,
what is the new mean if two samples 3 and 3 are added?

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

7. Given the mean of 12 samples as $6\frac{1}{3}$,
what is the new mean if two samples 9 and 6 are removed?

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

8. Find the mean of all prime numbers between 40 and 90.

- (i) $\frac{383}{6}$ (ii) $\frac{385}{6}$ (iii) $\frac{127}{2}$ (iv) $\frac{509}{8}$ (v) $\frac{257}{4}$

9. Find the mean of all prime numbers between 10 and 70.

- (i) $\frac{183}{5}$ (ii) $\frac{553}{15}$ (iii) $\frac{479}{13}$ (iv) $\frac{623}{17}$ (v) $\frac{551}{15}$

10. Find the mean of first 7 multiples of 6.

- (i) 21 (ii) 25 (iii) 23 (iv) 24 (v) 26

11. Find the mean of first 9 whole numbers.

- (i) 4 (ii) 2 (iii) 5 (iv) 3 (v) 6

12. Find the mean of first 6 multiples of 20.

- (i) 68 (ii) 73 (iii) 70 (iv) 71 (v) 69

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

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

14. Find the mean of the first 20 even numbers.

- (i) 19 (ii) 23 (iii) 21 (iv) 20 (v) 22

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

32 24 13 24 41 4 27 33 50 14 27

- (i) $\frac{341}{13}$ (ii) $\frac{79}{3}$ (iii) $\frac{287}{11}$ (iv) $\frac{289}{11}$ (v) $\frac{291}{11}$

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 7.

25 22 33 36 26 17 43 35 43 46 34 16 2 38 33

- (i) $\frac{556}{15}$ (ii) $\frac{482}{13}$ (iii) $\frac{626}{17}$ (iv) $\frac{184}{5}$ (v) $\frac{554}{15}$

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 decreased by 5.

42 41 6 23 50 8 30 2 31 15

- (i) $\frac{61}{3}$ (ii) $\frac{99}{5}$ (iii) $\frac{101}{5}$ (iv) $\frac{97}{5}$ (v) $\frac{137}{7}$

18. 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 doubled.

9 3 21 41 22 4 12 45 22 32 41 34 19 23

- (i) $\frac{330}{7}$ (ii) $\frac{326}{7}$ (iii) $\frac{236}{5}$ (iv) $\frac{140}{3}$ (v) $\frac{328}{7}$

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

151 164 131 127 152 148 131 140 159 152 172 161 169

- (i) $\frac{1983}{13}$ cm (ii) $\frac{1970}{13}$ cm (iii) $\frac{1959}{13}$ cm (iv) $\frac{1957}{13}$ cm (v) $\frac{1958}{13}$ cm

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

85 71 73 50 53 99 73 74 98 84

- (i) 77cm (ii) 76cm (iii) 78cm (iv) 74cm (v) 75cm

21. Ages of 11 students (in years) are given below. Find the mean age.
14 11 13 14 11 10 14 11 13 10 13
- (i) $\frac{145}{11}$ years (ii) $\frac{134}{11}$ years (iii) $\frac{156}{11}$ years (iv) $\frac{135}{11}$ years (v) $\frac{136}{11}$ years

22. Rainfall of 11 days (in mm) are given below. Find the mean rainfall.
10 9 12 13 10 5 5 13 9 9 7
- (i) $\frac{104}{11}$ mm (ii) $\frac{124}{11}$ mm (iii) $\frac{113}{11}$ mm (iv) $\frac{103}{11}$ mm (v) $\frac{102}{11}$ mm

23. Scores of 14 students are given below. Find the mean score.
85 72 70 76 74 73 89 81 88 84 83 79 81 81
- (i) 80 (ii) $\frac{565}{7}$ (iii) $\frac{558}{7}$ (iv) $\frac{572}{7}$ (v) $\frac{559}{7}$

24. Temperatures of 14 days (in °C) are given below. Find the mean temperature.
30 31 32 31 30 30 28 27 25 32 32 31 32 29
- (i) 30°C (ii) 31°C (iii) 29°C (iv) 32°C (v) 28°C

25. Weights of 15 students (in kg) are given below. Find the mean weight.
53 45 57 50 56 54 47 46 47 51 45 44 51 43 48
- (i) $\frac{246}{5}$ kg (ii) $\frac{767}{15}$ kg (iii) $\frac{737}{15}$ kg (iv) $\frac{739}{15}$ kg (v) $\frac{752}{15}$ kg

26. Daily wages of 11 labourers (in ₹) are given below. Find the mean wage.
442 499 365 312 367 478 429 490 407 426 491
- (i) ₹427.82 (ii) ₹428.00 (iii) ₹428.82 (iv) ₹429.82 (v) ₹427.91

27. The arithmetic mean of 41 6 36 3 33 is
- (i) 25.8 (ii) 21.8 (iii) 23.8 (iv) 24.8 (v) 22.8

28. The arithmetic mean of $a + 2$, a , and $a - 2$ is
- (i) $a + 2$ (ii) a (iii) $3a$ (iv) $a - 2$

29. If the mean of 8 samples is $27\frac{1}{4}$,
what is the new mean if 6 is added to each number.
- (i) $\frac{131}{4}$ (ii) $\frac{199}{6}$ (iii) $\frac{135}{4}$ (iv) $\frac{133}{4}$ (v) $\frac{67}{2}$

30. If the mean of 6 samples is $30\frac{5}{6}$,
what is the new mean if 5 is subtracted from each number.
- (i) $\frac{157}{6}$ (ii) $\frac{51}{2}$ (iii) $\frac{155}{6}$ (iv) $\frac{105}{4}$ (v) $\frac{205}{8}$

31. If the mean of 8 samples is $24\frac{1}{8}$,
what is the new mean if each number is multiplied by 3 .

(i) $\frac{723}{10}$ (ii) $\frac{579}{8}$ (iii) $\frac{581}{8}$ (iv) $\frac{145}{2}$ (v) $\frac{577}{8}$

32. The mean of 7 numbers is $7\frac{5}{7}$. Upon excluding one number, the mean becomes $7\frac{1}{3}$. Find the excluded number.

(i) 9 (ii) 13 (iii) 10 (iv) 11 (v) 8

33. The mean of 8 numbers is $10\frac{3}{8}$. Upon adding one number, the mean becomes $10\frac{4}{9}$. Find the included number.

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

Assignment Key

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