



1. The scores obtained by 7 students in a test are given below. Find the mean score. 10 4 6 19 8 12 2

- (i) 17 (ii) $8\frac{5}{7}$ (iii) 2 (iv) 19 (v) 8

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

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

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

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

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

- (i) 39 (ii) $\frac{77}{2}$ (iii) $\frac{153}{4}$ (iv) $\frac{79}{2}$ (v) $\frac{75}{2}$

5. Find the mean of first 5 whole numbers.

- (i) 1 (ii) -1 (iii) 4 (iv) 3 (v) 2

6. Find the mean of first 7 multiples of 9.

- (i) 36 (ii) 34 (iii) 35 (iv) 37 (v) 39

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

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

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

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

9. The marks obtained by 12 students in a test are given below. Find their mean marks.

8 2 4 35 35 16 5 32 46 49 23 33

- (i) 25 (ii) 21 (iii) 27 (iv) 24 (v) 23

10. 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 3.

32 30 10 32 32 48 5 15 48 46 49 50 32 7 34

- (i) $\frac{103}{3}$ (ii) $\frac{101}{3}$ (iii) 35 (iv) $\frac{171}{5}$

11. 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 4.

1 50 15 47 13 9 44 18 34 18 8 30 42

- (i) $\frac{277}{13}$ (ii) $\frac{279}{13}$ (iii) $\frac{275}{13}$ (iv) $\frac{319}{15}$ (v) $\frac{235}{11}$

- 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 doubled.

10 47 48 7 1 25 20 41 42 15 42 23

- (i) $\frac{105}{2}$ (ii) $\frac{213}{4}$ (iii) 54 (iv) $\frac{109}{2}$ (v) $\frac{107}{2}$

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

157 133 168 175 174 132 157 146 162 175 174 136 147 150 146

- (i) $\frac{2332}{15}$ cm (ii) $\frac{2362}{15}$ cm (iii) $\frac{2347}{15}$ cm (iv) $\frac{2333}{15}$ cm (v) $\frac{778}{5}$ cm

14. Heights of 12 plants (in cm) are given below. Find the mean height.

63 100 62 97 66 66 58 94 98 65 75 80

- (i) 78 cm (ii) 75 cm (iii) 77 cm (iv) 79 cm (v) 76 cm

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

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

- (i) $\frac{184}{15}$ years (ii) $\frac{197}{15}$ years (iii) $\frac{61}{5}$ years (iv) $\frac{212}{15}$ years (v) $\frac{182}{15}$ years

16. Rainfall of 10 days (in mm) are given below. Find the mean rainfall.

7 13 9 8 8 9 5 14 15 15

- (i) $\frac{52}{5}$ mm (ii) $\frac{103}{10}$ mm (iii) $\frac{113}{10}$ mm (iv) $\frac{123}{10}$ mm (v) $\frac{21}{2}$ mm

17. Scores of 10 students are given below. Find the mean score.

88 88 84 73 72 76 86 80 75 87

- (i) 81 (ii) $\frac{829}{10}$ (iii) $\frac{809}{10}$ (iv) $\frac{819}{10}$ (v) $\frac{811}{10}$

18. Temperatures of 13 days (in °C) are given below. Find the mean temperature.

26 27 26 25 26 26 28 32 31 35 25 25 29

- (i) $\frac{387}{13}$ °C (ii) $\frac{362}{13}$ °C (iii) $\frac{363}{13}$ °C (iv) $\frac{374}{13}$ °C (v) $\frac{361}{13}$ °C

19. Weights of 11 students (in kg) are given below. Find the mean weight.

40 52 58 52 40 52 51 58 46 43 43

- (i) $\frac{535}{11}$ kg (ii) $\frac{537}{11}$ kg (iii) $\frac{546}{11}$ kg (iv) $\frac{557}{11}$ kg (v) $\frac{536}{11}$ kg

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

378 327 407 360 363 492 337 491 369 371 434

- (i) ₹394.55 (ii) ₹395.55 (iii) ₹393.73 (iv) ₹393.55 (v) ₹393.64

21. If the mean of 7 10 8 x 3 5 1 is $6\frac{1}{7}$, find the value of x.

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

22. The mean of the below random sample is $37\frac{1}{10}$. Find the missing quantity.

41 x 25 44 41 42 39 30 34 30

(i) 44 (ii) 45 (iii) 46 (iv) 48 (v) 43

23. Given the mean of 9 samples as $11\frac{4}{9}$, what is the mean if a sample value is increased by 15 ?

(i) $\frac{118}{9}$ (ii) $\frac{40}{3}$ (iii) $\frac{144}{11}$ (iv) $\frac{92}{7}$ (v) $\frac{116}{9}$

24. Given the mean of 5 samples as $4\frac{2}{5}$, what is the mean if a sample value is decreased by 14 ?

(i) 2 (ii) $\frac{10}{7}$ (iii) $\frac{8}{5}$ (iv) $\frac{6}{5}$

25. Given the mean of 10 samples as $6\frac{2}{5}$,
what is the new mean if two samples 7 and 1 are added ?

(i) 6 (ii) 4 (iii) 7 (iv) 9 (v) 5

26. Given the mean of 12 samples as $5\frac{11}{12}$,
what is the new mean if two samples 5 and 9 are removed ?

(i) $\frac{59}{10}$ (ii) $\frac{67}{12}$ (iii) $\frac{57}{10}$ (iv) $\frac{11}{2}$ (v) $\frac{47}{8}$

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

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

28. The arithmetic mean of 30 3 14 3 40 46 is

(i) 21.67 (ii) 24.67 (iii) 22.67 (iv) 23.67 (v) 20.67

29. If the mean of 6 samples is 25,
what is the new mean if 7 is added to each number.

(i) 31 (ii) 35 (iii) 30 (iv) 32 (v) 33

30. If the mean of 7 samples is 20,
what is the new mean if 9 is subtracted from each number.

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

31. If the mean of 5 samples is $38\frac{4}{5}$,
what is the new mean if each number is multiplied by 4 .

(i) $\frac{776}{5}$ (ii) $\frac{774}{5}$ (iii) $\frac{466}{3}$ (iv) $\frac{778}{5}$ (v) $\frac{1086}{7}$

32. The mean of 9 numbers is $7\frac{2}{3}$. Upon excluding one number, the mean becomes $7\frac{1}{8}$. Find the excluded number.

(i) 9 (ii) 15 (iii) 12 (iv) 11 (v) 13

33. The mean of 9 numbers is $10\frac{1}{9}$. Upon adding one number, the mean becomes $10\frac{7}{10}$. Find the included number.

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

Assignment Key

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