



1. Given the mean of 12 samples as $5\frac{5}{6}$,
what is the new mean if two samples 3 and 9 are removed ?

- (i) $\frac{31}{5}$ (ii) $\frac{27}{5}$ (iii) $\frac{39}{7}$ (iv) $\frac{29}{5}$ (v) $\frac{19}{3}$

2. Given the mean of 12 samples as $8\frac{1}{3}$, what is the mean if a sample value is increased by 13 ?

- (i) $\frac{113}{12}$ (ii) $\frac{131}{14}$ (iii) $\frac{19}{2}$ (iv) $\frac{115}{12}$ (v) $\frac{37}{4}$

3. The mean of 10 numbers is $10\frac{1}{10}$. Upon excluding one number, the mean becomes $9\frac{1}{3}$. Find the excluded number.

- (i) 16 (ii) 18 (iii) 19 (iv) 17 (v) 15

4. Given the mean of 10 samples as $6\frac{3}{10}$,
what is the new mean if two samples 4 and 6 are added ?

- (i) $\frac{85}{14}$ (ii) $\frac{25}{4}$ (iii) $\frac{71}{12}$ (iv) $\frac{73}{12}$ (v) $\frac{61}{10}$

5. Given the mean of 6 samples as $12\frac{2}{3}$, what is the mean if a sample value is decreased by 11 ?

- (i) $\frac{45}{4}$ (ii) $\frac{67}{6}$ (iii) $\frac{21}{2}$ (iv) $\frac{65}{6}$ (v) $\frac{85}{8}$

Temperatures of 25 days are given below. Find the mean.

6. Temperature (in degree C)	25	26	27	28	30	31	32	33	34	35
No. of days	2	1	3	2	2	2	3	2	2	6

- (i) 30°C (ii) 33°C (iii) 29°C (iv) 32°C (v) 31°C

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

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

8. Find the mean of all prime numbers between 30 and 60.

- (i) $\frac{133}{3}$ (ii) $\frac{309}{7}$ (iii) $\frac{223}{5}$ (iv) $\frac{311}{7}$ (v) $\frac{313}{7}$

9. The mean of 7 numbers is $9\frac{4}{7}$. Upon excluding one number, the mean becomes $10\frac{2}{3}$. Find the excluded number.

- (i) 2 (ii) 1 (iii) 5 (iv) 3 (v) 4

10. If the mean of 7 samples is $24\frac{4}{7}$,
what is the new mean if 5 is added to each number.
- (i) $\frac{205}{7}$ (ii) $\frac{209}{7}$ (iii) $\frac{265}{9}$ (iv) $\frac{149}{5}$ (v) $\frac{207}{7}$

11. If the mean of 4 samples is $21\frac{1}{2}$,
what is the new mean if each number is multiplied by 5 .
- (i) $\frac{215}{2}$ (ii) $\frac{213}{2}$ (iii) 108 (iv) $\frac{217}{2}$ (v) $\frac{429}{4}$

12. Find the mean of first 8 whole numbers.
- (i) $\frac{7}{2}$ (ii) 4 (iii) $\frac{9}{2}$ (iv) $\frac{5}{2}$ (v) $\frac{13}{4}$

13. The mean of 10 numbers is $7\frac{1}{2}$. Upon adding one number, the mean becomes $7\frac{10}{11}$. Find the included number.
- (i) 11 (ii) 13 (iii) 9 (iv) 12 (v) 15

14. Given the mean of 12 samples as $5\frac{1}{6}$,
what is the new mean if two samples 1 and 5 are removed ?
- (i) $\frac{26}{5}$ (ii) $\frac{28}{5}$ (iii) 6 (iv) $\frac{38}{7}$

15. The arithmetic mean of 46 44 21 9 30 is
- (i) 29 (ii) 30 (iii) 31 (iv) 28 (v) 32

Temperatures of 25 days are given below. Find the mean.

16.

Temperature (in degree C)	25	27	28	29	30	32	33	34	35
No. of days	3	2	4	3	4	1	1	4	3
- (i) $\frac{756}{25}$ °C (ii) $\frac{804}{25}$ °C (iii) $\frac{151}{5}$ °C (iv) $\frac{779}{25}$ °C (v) $\frac{754}{25}$ °C

17. Find the mean of first 7 multiples of 10.
- (i) 39 (ii) 42 (iii) 41 (iv) 37 (v) 40

18. If the mean of 5 samples is $27\frac{4}{5}$,
what is the new mean if 7 is subtracted from each number.
- (i) $\frac{102}{5}$ (ii) $\frac{106}{5}$ (iii) $\frac{104}{5}$ (iv) $\frac{64}{3}$ (v) $\frac{144}{7}$

19. Find the mean of the first 20 odd numbers.
- (i) 21 (ii) 22 (iii) 19 (iv) 18 (v) 20

20. Find the mean of all prime numbers between 20 and 80.
- (i) 53 (ii) 49 (iii) 50 (iv) 52 (v) 51

21. Find the mean of first 9 multiples of 2.

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

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

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

23. If the mean of 5 samples is $30\frac{1}{5}$,

what is the new mean if 4 is subtracted from each number.

- (i) $\frac{183}{7}$ (ii) $\frac{79}{3}$ (iii) $\frac{129}{5}$ (iv) $\frac{133}{5}$ (v) $\frac{131}{5}$

24. Find the mean of all prime numbers between 10 and 100.

- (i) 51 (ii) $\frac{247}{5}$ (iii) $\frac{151}{3}$ (iv) $\frac{149}{3}$ (v) 49

25. Given the mean of 9 samples as 9, what is the mean if a sample value is increased by 12?

- (i) $\frac{51}{5}$ (ii) $\frac{31}{3}$ (iii) $\frac{29}{3}$ (iv) 11

Assignment Key

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