



1. If the mean of 4 samples is 30 ,  
what is the new mean if 3 is subtracted from each number.  
(i) 27 (ii) 29 (iii) 26 (iv) 28 (v) 24

2. If the mean of 4 samples is  $19\frac{1}{2}$  ,  
what is the new mean if 4 is added to each number.  
(i) 24 (ii)  $\frac{47}{2}$  (iii)  $\frac{49}{2}$  (iv)  $\frac{45}{2}$  (v)  $\frac{93}{4}$

3. Given the mean of 12 samples as  $4\frac{1}{3}$  ,  
what is the new mean if two samples 1 and 9 are removed ?  
(i)  $\frac{19}{5}$  (ii)  $\frac{13}{3}$  (iii)  $\frac{29}{7}$  (iv)  $\frac{21}{5}$  (v)  $\frac{23}{5}$

4. Find the mean of all prime numbers between 30 and 90.  
(i)  $\frac{419}{7}$  (ii)  $\frac{299}{5}$  (iii)  $\frac{417}{7}$  (iv)  $\frac{535}{9}$  (v)  $\frac{415}{7}$

5. Find the mean of first 9 whole numbers.  
(i) 2 (ii) 5 (iii) 4 (iv) 6 (v) 3

6. Find the mean of all prime numbers between 40 and 100.  
(i)  $\frac{731}{11}$  (ii)  $\frac{861}{13}$  (iii)  $\frac{863}{13}$  (iv)  $\frac{865}{13}$  (v)  $\frac{199}{3}$

7. If the mean of 8 samples is  $22\frac{1}{2}$  ,  
what is the new mean if each number is multiplied by 8 .  
(i) 177 (ii) 181 (iii) 180 (iv) 182 (v) 179

8. Find the mean of first 5 whole numbers.  
(i) 1 (ii) 0 (iii) 5 (iv) 3 (v) 2

9. Given the mean of 10 samples as  $6\frac{3}{5}$  ,  
what is the new mean if two samples 2 and 6 are added ?  
(i)  $\frac{35}{6}$  (ii)  $\frac{49}{8}$  (iii)  $\frac{25}{4}$  (iv)  $\frac{13}{2}$  (v)  $\frac{37}{6}$

10. The arithmetic mean of 50 45 40 17 44 is  
(i) 41.2 (ii) 37.2 (iii) 38.2 (iv) 40.2 (v) 39.2

11. Find the mean of first 5 multiples of 15.

- (i) 45 (ii) 42 (iii) 44 (iv) 48 (v) 46

12. Find the mean of first 8 multiples of 4.

- (i) 19 (ii) 17 (iii) 15 (iv) 21 (v) 18

13. Given the mean of 10 samples as  $10\frac{2}{5}$ , what is the mean if a sample value is increased by 15?

- (i)  $\frac{121}{10}$  (ii)  $\frac{117}{10}$  (iii)  $\frac{119}{10}$  (iv)  $\frac{47}{4}$  (v)  $\frac{97}{8}$

14. The mean of 8 numbers is  $7\frac{1}{4}$ . Upon adding one number, the mean becomes  $7\frac{8}{9}$ . Find the included number.

- (i) 16 (ii) 13 (iii) 10 (iv) 14 (v) 12

15. Find the mean of the first 15 odd numbers.

- (i) 15 (ii) 14 (iii) 17 (iv) 16 (v) 12

16. Given the mean of 5 samples as  $10\frac{4}{5}$ , what is the mean if a sample value is decreased by 17?

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

17. Find the mean of all prime numbers between 40 and 100.

- (i)  $\frac{861}{13}$  (ii)  $\frac{199}{3}$  (iii)  $\frac{731}{11}$  (iv)  $\frac{863}{13}$  (v)  $\frac{865}{13}$

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

18.

Temperature (in degree C)	25	27	28	29	30	32	34	35
No. of days	4	2	4	2	4	5	2	2

- (i)  $\frac{767}{25}$  °C (ii)  $\frac{743}{25}$  °C (iii)  $\frac{792}{25}$  °C (iv)  $\frac{742}{25}$  °C (v)  $\frac{744}{25}$  °C

19. If the mean of 4 samples is  $23\frac{3}{4}$ ,

what is the new mean if 10 is subtracted from each number.

- (i)  $\frac{55}{4}$  (ii)  $\frac{27}{2}$  (iii)  $\frac{29}{2}$  (iv)  $\frac{57}{4}$  (v)  $\frac{53}{4}$

20. If the mean of 7 samples is  $29\frac{5}{7}$ ,

what is the new mean if 5 is added to each number.

- (i)  $\frac{243}{7}$  (ii) 35 (iii)  $\frac{311}{9}$  (iv)  $\frac{241}{7}$

21. Find the mean of first 9 multiples of 5.

- (i) 27 (ii) 25 (iii) 23 (iv) 24 (v) 26

Temperatures of 20 days are given below. Find the mean.

22. 

Temperature (in degree C)	27	28	29	30	31	33	34	35
No. of days	4	2	3	1	3	3	3	1

- (i)  $\frac{61}{2}^{\circ}\text{C}$  (ii)  $31^{\circ}\text{C}$  (iii)  $\frac{63}{2}^{\circ}\text{C}$  (iv)  $\frac{65}{2}^{\circ}\text{C}$

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

- (i) 20 (ii) 21 (iii) 22 (iv) 24 (v) 18

24. Find the mean of all prime numbers between 10 and 90.

- (i)  $\frac{379}{8}$  (ii)  $\frac{473}{10}$  (iii)  $\frac{95}{2}$  (iv)  $\frac{189}{4}$  (v)  $\frac{471}{10}$

25. The mean of 6 numbers is  $9\frac{1}{3}$ . Upon excluding one number, the mean becomes  $10\frac{1}{5}$ . Find the excluded number.

- (i) 6 (ii) 3 (iii) 5 (iv) 4 (v) 8

## Assignment Key

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