



1. If the mean of 10 8 9 7 x 3 4 2 is $5\frac{1}{2}$, find the value of x.

- (i) 4 (ii) -1 (iii) 1 (iv) 2 (v) 0

2. The mean of the below random sample is 29. Find the missing quantity. 34 14 43 41 37 33 x 12 35 18

- (i) 25 (ii) 23 (iii) 20 (iv) 22 (v) 24

3. Given the mean of 10 samples as $11\frac{2}{5}$, what is the mean if a sample value is increased by 19?

- (i) $\frac{53}{4}$ (ii) $\frac{107}{8}$ (iii) $\frac{133}{10}$ (iv) $\frac{27}{2}$ (v) $\frac{131}{10}$

4. Given the mean of 8 samples as $9\frac{1}{4}$, what is the mean if a sample value is decreased by 16?

- (i) $\frac{29}{4}$ (ii) $\frac{15}{2}$ (iii) $\frac{27}{4}$ (iv) $\frac{31}{4}$ (v) $\frac{43}{6}$

5. Given the mean of 10 samples as $6\frac{7}{10}$,

what is the new mean if two samples 7 and 5 are added?

- (i) $\frac{67}{10}$ (ii) $\frac{27}{4}$ (iii) $\frac{13}{2}$ (iv) $\frac{79}{12}$ (v) $\frac{77}{12}$

6. Given the mean of 12 samples as $5\frac{7}{12}$,

what is the new mean if two samples 10 and 2 are removed?

- (i) 6 (ii) $\frac{13}{2}$ (iii) $\frac{9}{2}$ (iv) $\frac{11}{2}$ (v) $\frac{21}{4}$

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

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

8. Find the mean of all prime numbers between 10 and 80.

- (i) 42 (ii) 41 (iii) 43 (iv) 46 (v) 44

9. Find the mean of first 6 multiples of 17.

- (i) $\frac{121}{2}$ (ii) $\frac{237}{4}$ (iii) $\frac{117}{2}$ (iv) $\frac{119}{2}$ (v) 60

10. Find the mean of first 6 whole numbers.

- (i) $\frac{9}{4}$ (ii) 3 (iii) $\frac{7}{2}$ (iv) $\frac{3}{2}$ (v) $\frac{5}{2}$

11. Find the mean of first 6 multiples of 8.

- (i) 29 (ii) 25 (iii) 30 (iv) 28 (v) 27

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

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

13. Find the mean of the first 10 even numbers.

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

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

24 26 29 31 50 7 26 49 20 39 8 25

- (i) $\frac{55}{2}$ (ii) $\frac{113}{4}$ (iii) $\frac{167}{6}$ (iv) $\frac{169}{6}$ (v) $\frac{221}{8}$

15. The marks obtained by 11 students in a test are given below. Find the mean of their marks when the marks of each student is increased by 9.

9 50 1 24 35 21 27 16 31 13 29

- (i) $\frac{357}{11}$ (ii) $\frac{355}{11}$ (iii) $\frac{97}{3}$ (iv) $\frac{353}{11}$ (v) $\frac{419}{13}$

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 decreased by 2.

49 13 35 4 28 25 43 46 26 6 31 9 19 26 33

- (i) $\frac{169}{7}$ (ii) $\frac{123}{5}$ (iii) $\frac{119}{5}$ (iv) $\frac{121}{5}$ (v) $\frac{73}{3}$

17. 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.

16 24 43 8 28 23 33 5 2 41 23 35

- (i) $\frac{373}{8}$ (ii) $\frac{281}{6}$ (iii) $\frac{189}{4}$ (iv) $\frac{93}{2}$ (v) $\frac{283}{6}$

18. Heights of 10 students (in cm) are given below. Find the mean height.

164 144 158 149 128 136 157 145 166 136

- (i) $\frac{1483}{10}$ cm (ii) $\frac{742}{5}$ cm (iii) $\frac{1493}{10}$ cm (iv) $\frac{297}{2}$ cm (v) $\frac{1503}{10}$ cm

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

63 56 53 60 62 50 57 75 97 75 89 74 56 72

- (i) $\frac{967}{14}$ cm (ii) $\frac{470}{7}$ cm (iii) $\frac{939}{14}$ cm (iv) $\frac{953}{14}$ cm (v) $\frac{941}{14}$ cm

20. Ages of 10 students (in years) are given below. Find the mean age.
13 10 12 12 15 10 13 11 14 12
- (i) $\frac{61}{5}$ years (ii) $\frac{71}{5}$ years (iii) $\frac{63}{5}$ years (iv) $\frac{62}{5}$ years (v) $\frac{66}{5}$ years
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21. Rainfall of 11 days (in mm) are given below. Find the mean rainfall.
7 5 12 8 5 15 12 14 7 7 7
- (i) 8mm (ii) 11mm (iii) 9mm (iv) 10mm (v) 7mm
-
22. Scores of 14 students are given below. Find the mean score.
72 84 71 73 87 72 86 88 82 83 79 75 72 73
- (i) $\frac{1097}{14}$ (ii) $\frac{1111}{14}$ (iii) $\frac{549}{7}$ (iv) $\frac{157}{2}$ (v) $\frac{1125}{14}$
-
23. Temperatures of 13 days (in °C) are given below. Find the mean temperature.
35 27 26 32 29 29 25 35 27 25 28 31 26
- (i) $\frac{401}{13}$ °C (ii) 29°C (iii) $\frac{388}{13}$ °C (iv) $\frac{376}{13}$ °C (v) $\frac{375}{13}$ °C
-
24. Weights of 15 students (in kg) are given below. Find the mean weight.
46 55 46 56 60 44 58 45 46 57 48 50 57 46 47
- (i) $\frac{254}{5}$ kg (ii) $\frac{791}{15}$ kg (iii) $\frac{763}{15}$ kg (iv) $\frac{776}{15}$ kg (v) $\frac{761}{15}$ kg
-
25. Daily wages of 14 labourers (in ₹) are given below. Find the mean wage.
490 417 402 431 393 357 351 383 360 370 306 500 309 491
- (i) ₹397.29 (ii) ₹397.14 (iii) ₹397.43 (iv) ₹398.14 (v) ₹399.14
-
26. The arithmetic mean of $a + 2$, a , and $a - 2$ is
- (i) $a + 2$ (ii) $3a$ (iii) $a - 2$ (iv) a
-
27. If the mean of 7 samples is $19\frac{1}{7}$,
what is the new mean if 4 is added to each number.
- (i) $\frac{160}{7}$ (ii) $\frac{164}{7}$ (iii) $\frac{208}{9}$ (iv) $\frac{116}{5}$ (v) $\frac{162}{7}$
-
28. If the mean of 8 samples is $29\frac{1}{4}$,
what is the new mean if 4 is subtracted from each number.
- (i) $\frac{151}{6}$ (ii) $\frac{103}{4}$ (iii) $\frac{51}{2}$ (iv) $\frac{99}{4}$ (v) $\frac{101}{4}$
-
29. If the mean of 7 samples is $30\frac{3}{7}$,
what is the new mean if each number is multiplied by 7.
- (i) 214 (ii) 213 (iii) 210 (iv) 212 (v) 215

30. The mean of 5 numbers is $12\frac{1}{5}$. Upon excluding one number, the mean becomes $11\frac{1}{4}$. Find the excluded number.

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

31. The mean of 5 numbers is $12\frac{2}{5}$. Upon adding one number, the mean becomes $12\frac{2}{3}$. Find the included number.

- (i) 17 (ii) 14 (iii) 12 (iv) 13 (v) 15

32. The scores obtained by 7 students in a test are given below. Find the mean score. 1 19 12 6 19 17 19

- (i) 19 (ii) 17 (iii) 18 (iv) $13\frac{2}{7}$ (v) 1

33. The arithmetic mean of 10 43 9 41 46 42 46 is

- (i) 32.86 (ii) 35.86 (iii) 34.86 (iv) 33.86 (v) 31.86

Assignment Key

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