



1. If the mean of 5 9 x 6 1 is $6\frac{1}{5}$, find the value of x.

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

2. The mean of the below random sample is $24\frac{7}{10}$. Find the missing quantity. 35 41 17 x 35 43 21 12 20 11

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

3. Given the mean of 8 samples as $13\frac{3}{4}$, what is the mean if a sample value is increased by 17 ?

- (i) $\frac{157}{10}$ (ii) $\frac{129}{8}$ (iii) $\frac{125}{8}$ (iv) $\frac{97}{6}$ (v) $\frac{127}{8}$

4. Given the mean of 6 samples as $14\frac{1}{3}$, what is the mean if a sample value is decreased by 13 ?

- (i) $\frac{71}{6}$ (ii) $\frac{25}{2}$ (iii) $\frac{73}{6}$ (iv) $\frac{97}{8}$ (v) $\frac{49}{4}$

5. Given the mean of 10 samples as $5\frac{1}{2}$,
what is the new mean if two samples 8 and 7 are added ?

- (i) $\frac{45}{8}$ (ii) $\frac{35}{6}$ (iii) $\frac{37}{6}$ (iv) $\frac{25}{4}$ (v) $\frac{11}{2}$

6. Given the mean of 12 samples as $5\frac{1}{4}$,
what is the new mean if two samples 3 and 5 are removed ?

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

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

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

8. Find the mean of all prime numbers between 20 and 70.

- (i) $\frac{491}{11}$ (ii) $\frac{489}{11}$ (iii) $\frac{493}{11}$ (iv) $\frac{403}{9}$ (v) $\frac{579}{13}$

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

- (i) 27 (ii) 25 (iii) 23 (iv) 24 (v) 22

10. Find the mean of first 5 whole numbers.

- (i) 1 (ii) 2 (iii) 3 (iv) 5 (v) 0

11. Find the mean of first 8 multiples of 20.

- (i) 91 (ii) 93 (iii) 90 (iv) 87 (v) 89

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

- (i) 20 (ii) 17 (iii) 21 (iv) 23 (v) 19

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

- (i) 13 (ii) 10 (iii) 11 (iv) 12 (v) 9

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

40 31 20 30 34 3 45 44 6 19 6 1 47 50

- (i) $\frac{80}{3}$ (ii) $\frac{186}{7}$ (iii) $\frac{136}{5}$ (iv) $\frac{190}{7}$ (v) $\frac{188}{7}$

15. 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 increased by 10.

4 33 20 30 10 45 7 14 25 5 33 27

- (i) $\frac{311}{10}$ (ii) $\frac{373}{12}$ (iii) $\frac{371}{12}$ (iv) $\frac{435}{14}$ (v) $\frac{125}{4}$

16. 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 2.

49 9 6 48 45 46 42 35 24 19 16 47 7

- (i) $\frac{141}{5}$ (ii) $\frac{369}{13}$ (iii) $\frac{367}{13}$ (iv) $\frac{311}{11}$ (v) $\frac{365}{13}$

17. 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 doubled.

5 6 42 17 24 38 38 7 13 17 15 38 28 48 42

- (i) $\frac{252}{5}$ (ii) $\frac{352}{7}$ (iii) 50 (iv) $\frac{254}{5}$ (v) $\frac{152}{3}$

18. Heights of 12 students (in cm) are given below. Find the mean height.

175 126 140 136 157 175 155 163 160 160 160 129

- (i) 152 cm (ii) 153 cm (iii) 151 cm (iv) 154 cm (v) 155 cm

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

67 71 80 80 71 85 62 52 52 64 72 52 85 95

- (i) $\frac{496}{7}$ cm (ii) $\frac{494}{7}$ cm (iii) $\frac{501}{7}$ cm (iv) $\frac{495}{7}$ cm (v) $\frac{508}{7}$ cm

20. Ages of 12 students (in years) are given below. Find the mean age.

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

- (i) $\frac{27}{2}$ years (ii) $\frac{173}{12}$ years (iii) $\frac{163}{12}$ years (iv) $\frac{185}{12}$ years (v) $\frac{161}{12}$ years

21. Rainfall of 15 days (in mm) are given below. Find the mean rainfall.
8 10 11 14 14 10 13 15 7 7 10 15 9 11 9
- (i) $\frac{164}{15}$ mm (ii) $\frac{163}{15}$ mm (iii) $\frac{193}{15}$ mm (iv) $\frac{178}{15}$ mm (v) 11 mm
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22. Scores of 12 students are given below. Find the mean score.
82 75 76 78 78 81 90 85 77 84 75 77
- (i) $\frac{491}{6}$ (ii) $\frac{479}{6}$ (iii) $\frac{481}{6}$ (iv) $\frac{485}{6}$ (v) 80
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23. Temperatures of 13 days (in °C) are given below. Find the mean temperature.
28 28 29 30 33 27 30 28 29 30 34 25 26
- (i) 27°C (ii) 29°C (iii) 31°C (iv) 28°C (v) 30°C
-
24. Weights of 14 students (in kg) are given below. Find the mean weight.
42 60 54 54 56 48 56 47 44 41 55 54 50 45
- (i) $\frac{355}{7}$ kg (ii) $\frac{354}{7}$ kg (iii) $\frac{353}{7}$ kg (iv) $\frac{367}{7}$ kg (v) $\frac{360}{7}$ kg
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25. Daily wages of 12 labourers (in ₹) are given below. Find the mean wage.
488 433 471 436 468 476 466 343 306 395 350 456
- (i) ₹423.00 (ii) ₹422.00 (iii) ₹425.00 (iv) ₹426.00 (v) ₹424.00
-
26. The arithmetic mean of $a + 2$, a , and $a - 2$ is
- (i) $3a$ (ii) a (iii) $a - 2$ (iv) $a + 2$
-
27. If the mean of 4 samples is $12\frac{1}{2}$,
what is the new mean if 5 is added to each number.
- (i) $\frac{33}{2}$ (ii) $\frac{69}{4}$ (iii) $\frac{37}{2}$ (iv) 18 (v) $\frac{35}{2}$
-
28. If the mean of 7 samples is $30\frac{2}{7}$,
what is the new mean if 3 is subtracted from each number.
- (i) $\frac{191}{7}$ (ii) $\frac{137}{5}$ (iii) $\frac{193}{7}$ (iv) 27 (v) $\frac{245}{9}$
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29. If the mean of 7 samples is $29\frac{5}{7}$,
what is the new mean if each number is multiplied by 5 .
- (i) $\frac{744}{5}$ (ii) $\frac{1336}{9}$ (iii) $\frac{1040}{7}$ (iv) $\frac{1038}{7}$ (v) $\frac{1042}{7}$
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30. The mean of 6 numbers is $10\frac{1}{6}$. Upon excluding one number, the mean becomes $8\frac{2}{5}$. Find the excluded number.
- (i) 19 (ii) 18 (iii) 16 (iv) 21 (v) 20

31. The mean of 10 numbers is 9 . Upon adding one number, the mean becomes $8\frac{4}{11}$. Find the included number.

- (i) 2 (ii) 0 (iii) 3 (iv) 1 (v) 5

32. The scores obtained by 6 students in a test are given below. Find the mean score. 20 12 4 16 17 15

- (i) 20 (ii) 16 (iii) 4 (iv) $15\frac{1}{2}$ (v) 14

33. The arithmetic mean of 37 19 49 12 49 47 is

- (i) 37.5 (ii) 34.5 (iii) 36.5 (iv) 35.5 (v) 33.5

Assignment Key

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