EduSahara™ Assignment

Name : Average

Chapter : Average

Grade : ICSE Grade VII

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1. The arithmetic mean of 46 45 3 50 21 47 16 is

(i) 34.57 (ii) 31.57 (iii) 33.57 (iv) 30.57 (v) 32.57

2. If the mean of 4 samples is $35\frac{3}{4}$,

what is the new mean if 4 is added to each number.

(i) $\frac{81}{2}$ (ii) $\frac{79}{2}$ (iii) $\frac{159}{4}$ (iv) $\frac{161}{4}$ (v) $\frac{157}{4}$

3. If the mean of 6 samples is $20\frac{1}{6}$,

what is the new mean if 8 is subtracted from each number.

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

4. If the mean of 6 samples is $16\frac{5}{6}$,

what is the new mean if each number is multiplied by 3 .

(i) $\frac{101}{2}$ (ii) $\frac{103}{2}$ (iii) $\frac{99}{2}$ (iv) 51 (v) $\frac{201}{4}$

5. The mean of 10 numbers is $13\frac{1}{10}$. Upon excluding one number, the mean becomes $13\frac{8}{9}$. Find the excluded number.

(i) 5 (ii) 6 (iii) 3 (iv) 8 (v) 7

6. The mean of 10 numbers is $8\frac{1}{5}$. Upon adding one number, the mean becomes $8\frac{3}{11}$. Find the included number.

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

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

Temperature (in degree C)	25	27	28	29	30	31	33	34
No. of days	2	2	3	4	2	2	3	2

(i) $\frac{593}{20}$ °C (ii) $\frac{119}{4}$ °C (iii) $\frac{297}{10}$ °C (iv) $\frac{633}{20}$ °C (v) $\frac{613}{20}$ °C

8. Given the mean of 11 samples as $13\frac{10}{11}$, what is the mean if a sample value is increased by 12 ?

(i) 18 (ii) 14 (iii) 15 (iv) 16 (v) 12

9. Given the mean of 13 samples as $11\frac{6}{13}$, what is the mean if a sample value is decreased by 13 ?

(i) $\frac{52}{5}$ (ii) $\frac{134}{13}$ (iii) $\frac{138}{13}$ (iv) $\frac{116}{11}$ (v) $\frac{136}{13}$

10. Given the mean of 10 samples as $6\frac{3}{5}$,

what is the new mean if two samples 8 and 4 are added ?

(i) $\frac{15}{2}$ (ii) $\frac{13}{2}$ (iii) $\frac{11}{2}$ (iv) 7 (v) $\frac{25}{4}$

11. Given the mean of 12 samples as $5\frac{11}{12}$,

what is the new mean if two samples 5 and 1 are removed ?

(i) $\frac{15}{2}$ (ii) $\frac{13}{2}$ (iii) $\frac{11}{2}$ (iv) $\frac{25}{4}$ (v) 7

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

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

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

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

14. Find the mean of first 7 multiples of 14.

(i) 55 (ii) 59 (iii) 57 (iv) 56 (v) 53

15. Find the mean of first 9 whole numbers.

(i) 3 (ii) 1 (iii) 4 (iv) 5 (v) 7

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

(i) 17 (ii) 14 (iii) 15 (iv) 16 (v) 19

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

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

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

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

Assignment Key

1) (v)	2) (iii)	3) (i)	4) (i)	5) (ii)	6) (iii)
7) (i)	8) (iii)	9) (v)	10) (ii)	11) (ii)	12) (i)
13) (v)	14) (iv)	15) (iii)	16) (iv)	17) (v)	18) (ii)