EduSahara™ Assignment

Name : Average

Chapter : Average

Grade : ICSE Grade VII

1. The arithmetic mean of 7 9 19 4 47 46 8 26 is

   (i) 21.75 (ii) 22.75 (iii) 18.75 (iv) 20.75 (v) 19.75

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

   what is the new mean if 3 is added to each number.

   (i) $\frac{164}{7}$ (ii) $\frac{166}{7}$ (iii) $\frac{212}{9}$ (iv) 24

3. If the mean of 4 samples is $21\frac{1}{2}$,

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

   (i) $\frac{33}{2}$ (ii) $\frac{35}{2}$ (iii) 18 (iv) $\frac{37}{2}$ (v) $\frac{69}{4}$

4. If the mean of 8 samples is $24\frac{3}{4}$,

   what is the new mean if each number is multiplied by 5 .

   (i) $\frac{249}{2}$ (ii) $\frac{493}{4}$ (iii) $\frac{247}{2}$ (iv) $\frac{495}{4}$ (v) $\frac{497}{4}$

5. The mean of 10 numbers is $10\frac{4}{5}$. Upon excluding one number, the mean becomes 10 . Find the excluded number.

   (i) 20 (ii) 19 (iii) 18 (iv) 15 (v) 17

6. The mean of 9 numbers is 9 . Upon adding one number, the mean becomes $8\frac{3}{10}$. Find the included number.

   (i) 2 (ii) 3 (iii) 1 (iv) 0 (v) 4

7. Temperatures of 30 days are given below. Find the mean.

Temperature (in degree C)	26	28	29	30	31	32	33	35
No. of days	1	7	6	3	6	2	3	2

   (i) $\frac{91}{3}$ °C (ii) $\frac{61}{2}$ °C (iii) $\frac{193}{6}$ °C (iv) $\frac{181}{6}$ °C (v) $\frac{187}{6}$ °C

8. Given the mean of 10 samples as $10\frac{1}{5}$, what is the mean if a sample value is increased by 11 ?

   (i) $\frac{91}{8}$ (ii) $\frac{113}{10}$ (iii) $\frac{23}{2}$ (iv) $\frac{45}{4}$ (v) $\frac{111}{10}$

9. Given the mean of 13 samples as $10\frac{6}{13}$, what is the mean if a sample value is decreased by 17 ?

(i) $\frac{101}{11}$ (ii) 9 (iii) $\frac{119}{13}$ (iv) $\frac{137}{15}$ (v) $\frac{121}{13}$

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

what is the new mean if two samples 9 and 6 are added ?

(i) 5 (ii) $\frac{27}{5}$ (iii) 7 (iv) $\frac{17}{3}$ (v) $\frac{19}{3}$

11. Given the mean of 12 samples as $5\frac{3}{4}$,

what is the new mean if two samples 9 and 6 are removed ?

(i) $\frac{17}{3}$ (ii) $\frac{29}{5}$ (iii) 5 (iv) $\frac{37}{7}$ (v) $\frac{27}{5}$

12. Find the mean of all prime numbers between 10 and 60.

(i) $\frac{487}{15}$ (ii) $\frac{421}{13}$ (iii) $\frac{425}{13}$ (iv) $\frac{359}{11}$ (v) $\frac{423}{13}$

13. Find the mean of all prime numbers between 10 and 60.

(i) $\frac{421}{13}$ (ii) $\frac{359}{11}$ (iii) $\frac{487}{15}$ (iv) $\frac{425}{13}$ (v) $\frac{423}{13}$

14. Find the mean of first 9 multiples of 4.

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

15. Find the mean of first 10 whole numbers.

(i) $\frac{11}{2}$ (ii) $\frac{7}{2}$ (iii) $\frac{17}{4}$ (iv) 5 (v) $\frac{9}{2}$

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

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

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

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

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

(i) 12 (ii) 14 (iii) 10 (iv) 11 (v) 8

Assignment Key

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