Averages

1. What is the average of first five multiples of 12?

A) 30 B)42 C) 36 D) 38

**Ans:-** 36

(1+2+3+4+5)\*12\*(1/5)

= 15\*12\*(1/5) = 3\*12= 36

(I).What is the average of first five multiples of 22?

(II).What is the average of first five multiples of 8?

(III).What is the average of first five multiples of 5?

(IV).What is the average of first five multiples of 18?

(V).What is the average of first five multiples of 24?

2. Average of five numbers is 20. If each number is multiplied by 2, what will be the new average?

A) 50 B)32 C) 46 D) 40

**Ans:-** 40

Avg is 20 each number is multiple by 2 then avg value increased to multiple of 2

20\*2=40

(I). Average of six numbers is 10. If each number is multiplied by 2, what will be the new average?

(II). Average of 100 numbers is 25. If each number is multiplied by 8, what will be the new average?

(III). Average of 12 numbers is 20. If each number is multiplied by 3, what will be the new average?

3. If the average of three consecutive even numbers is 34, find the largest of these numbers.

A) 30 B)42 C) 36 D) 38

**Ans:-** 36

Avg of consecutive numbers is middle of those numbers

So, numbers are 32,34,36

largest number is 36

(I). If the average of ten consecutive odd numbers is 58, find the largest of these numbers.

(II). If the average of 7 consecutive even numbers is 32, find the largest of these numbers.

(III). If the average of three consecutive even numbers is 48, find the largest of these numbers.

4. 10 typists can type 600 pages in 8 hours.Find the average number of pages typed by each typist in an hour.

A) 8 B)8.2 C) 7.5 D) 6.8

**Ans:-** 7.5

600 pages / 8 hrs = 75 pages in one hr (10 typist)

75/10= 7.5

OR

600 pages / 10 typist = 60 pages per 10 typist (8 hrs)

60/8= 7.5

5. The average of Sohan's marks in 6 subjects is 74. If his average in five subjects excluding science is 70, how many marks he obtained in science?

A) 94 B)82 C) 96 D) 88

**Ans:-** 94

6\*74=444 avg decrease by 4 so each subject decrease by 4

5\*70=350 OR this 4 exclude with science subject so 5\*4=20

Diff (444-350=94) and science 74 exclude so 74+20=94