

Number Sequence & Series

•Number Sequence - It can also be known as the pattern in which numbers are involved.

Examples:

a.) Arithmetic Sequence: 1,4,7,10,14,17

* this sequence is solved by adding 3 to the 1st # then to the next and so on.

b.) Geometric Sequence: 2,4,8,16,32,64

* this sequence is solved by multiplying 2 to the 1st # then to the next &so on.

c.) Squaring Sequence: 1,4,9,16,25,36,

*this sequence is obtained by squaring the #s, 1,2,3,4,5,6

•Number Series - It is the sum of the terms in a sequence.

Examples:

a.) Arithmetic: 1,4,7,10,14,17

$$= 1 + 4 + 7 + 10 + 14 + 17 \\ = 53$$

b.) Geometric: 2,4,8,16,32,64

$$= 2 + 4 + 8 + 16 + 32 + 64 \\ = 126$$

c.) Squaring: 1,4,9,16,25,36

$$= 1 + 4 + 9 + 16 + 25 + 36 \\ = 82$$