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 + 16 + 25 + 36
      = 82