

ACTIVITY 1.1

Triangular Numbers

- (1) The Online Encyclopedia of Integer Sequences (www.oeis.org) has an easy-to-look-up database of lakhs of sequences, with interesting information about each sequence.
Look up the sequence of triangular numbers: $1, 3, 6, 10, 15, 21, \dots$
Did you find something new about this sequence that you did not already know?
- (2) Write down the sequence that are formed by pentagons. Find the pattern in this sequence and see if the same can be done for other geometric objects.

