

# Triangular Numbers

Triangular numbers are numbers that can be represented as a triangle.

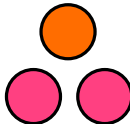
 **Example** Here are the first four triangular numbers:

This subscript notation tells you which triangular number it is.  $T_1$  is the first triangular number,  $T_2$  is the second and so on.

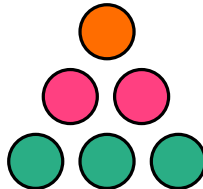
$$T_1 = 1$$



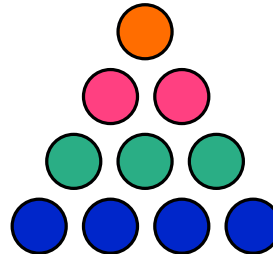
$$T_2 = 3$$



$$T_3 = 6$$



$$T_4 = 10$$



Each additional row of the pattern adds an extra one each time.

The sequence of triangular numbers is: 1 3 6 10 15 21 28 ...

