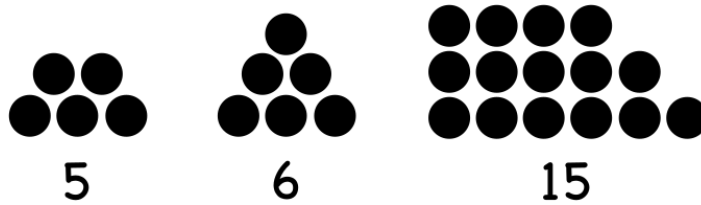


Puzzle of the Week

Trapezoidal Numbers – 4

Trapezoidal Numbers are the sum of two or more consecutive numbers. They deserve their name because you can make a trapezoid with that many dots, as pictured in the examples below. Note that having 1 dot on the top row is stretching the idea of being a trapezoid a bit, but it is allowed for these numbers.



THE CHALLENGE: Which numbers can be expressed as a Trapezoidal Number in exactly one way?



EXPLORATION: Can you find a way to predict how many ways a number can be expressed as a Trapezoidal Number?