

Day 4: Pascal's Triangle

In pairs investigate these patterns.

1. Find the sum of each row in Pascal's Triangle. Is there a pattern?

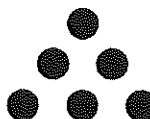
2. Shade all of the odd numbers in Pascal's Triangle. Is there a pattern?

3. Triangular numbers are numbers that can be drawn as a triangle.

For example, 3 is a triangular number and can be drawn like this.



6 is a triangular number and can be drawn like this.



Find and represent the next two triangular numbers.

Can you find triangular numbers in Pascal's Triangle?

4. Find one more pattern in Pascal's Triangle and be prepared to share your findings with the class.