Dots
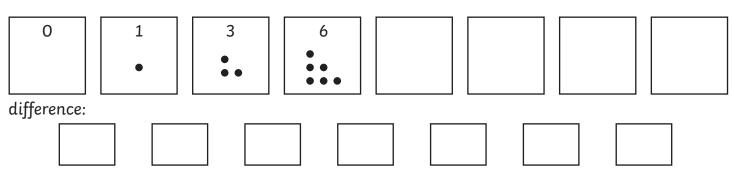
Triangles

Here is a pattern of dots as triangles.

0   1   3   6

Note: the first triangle has no dots.

Write the number of dots and find the difference between each number. Continue the pattern for the next 4 triangles.

0	1	3	6				

difference:

What do you notice about the difference in the number of dots in each triangle?

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Can you explain why?

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Dots

Squares
Here is a pattern of dots as squares.

	.	::	:::
0	1	4	9

Note: the first square has no dots.

Write the number of dots and find the difference between each number. Continue the pattern for the next 4 squares.

0	1	4	9				

difference:

What do you notice about the difference in the number of dots in each square?

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Can you explain why?

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