

Varied Fluency

- Continue this pattern:



Can you circle the set of shapes that repeat?

What is the next shape in the pattern? What is the 9th shape in the pattern?

- Draw pictures to represent this pattern:

Square, circle, triangle, triangle, square, circle, triangle, triangle.

Reasoning and Problem Solving

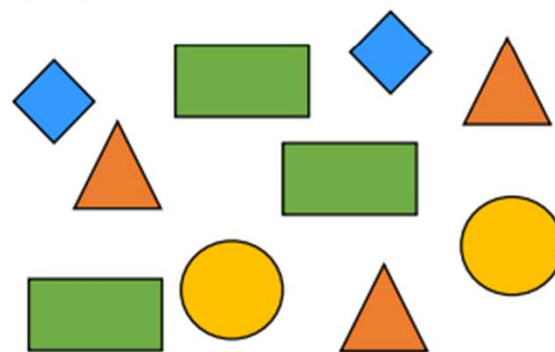
Dora says that the 12th shape in this pattern will be a triangle.



Is she correct?
How do you know?

The 12th shape will be a triangle. Children may physically continue the pattern to find the answer or recognise that the triangle is the 3rd and count in 3s.

How many different ways can you arrange these shapes to make a repeating pattern?



There are many ways to make different repeating patterns. Encourage children to orally describe the pattern they have created.

Can you translate this pattern using shapes?

Clap, clap, snap, clap, clap, snap, clap, clap



Possible answer:



Square, square, triangle or pentagon, pentagon, circle.




Repeating Patterns





Can you continue the patterns below?






1.

									
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2.

									
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3.

									
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4.

									
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5.

									
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In pattern 1 what will shape 12 be?

In pattern 2 what comes after the rectangle?

In pattern 3 what comes after the purple square?

In pattern 4 what comes before the orange circle?

In pattern 5 how many blue squares make up the main pattern?