

Maths Properties of Shape

Maths | Properties of Shapes | 2D Shapes | Lesson 4 of 5: Make 2D Shape Patterns

Need a coherently planned sequence of lessons to complement this resource?

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	Assessment Statements Ry the end of this unit; childress monthing set the expected level will be ables to: Bacognise and name common 7D and 3D shapes; Make pictures and patterns with 2D alwapes; Make models with 3D shapes.	Number: Place Value (within 10) Number: Addition and Subtraction (within 20) Number: Place Value (within 20) N
	Planit	Number: Multiplication and Division (Multiples of 2, S and 10 to be included) Number: Fractione Organization (Milliples of 2, S and 10 to be included) Number: Fractione Organization (Milliples of 2, S and 10 to be included) Number: Fractione Organization Organization <th< td=""></th<>

See our Properties of Shapes Steps to Progression document.

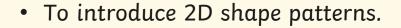
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Make 2D Shape Patterns

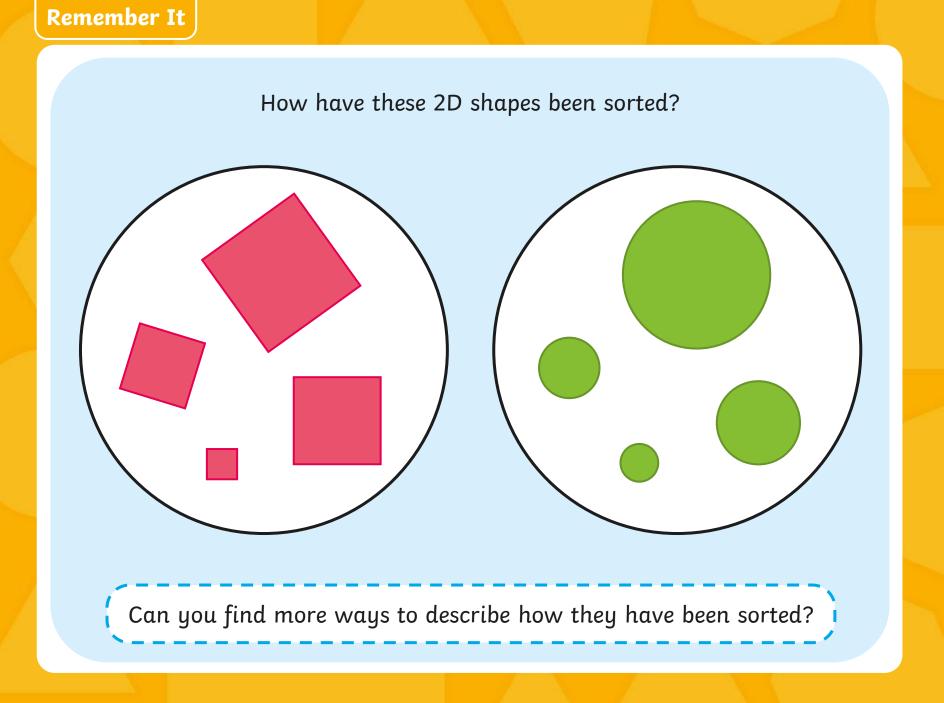
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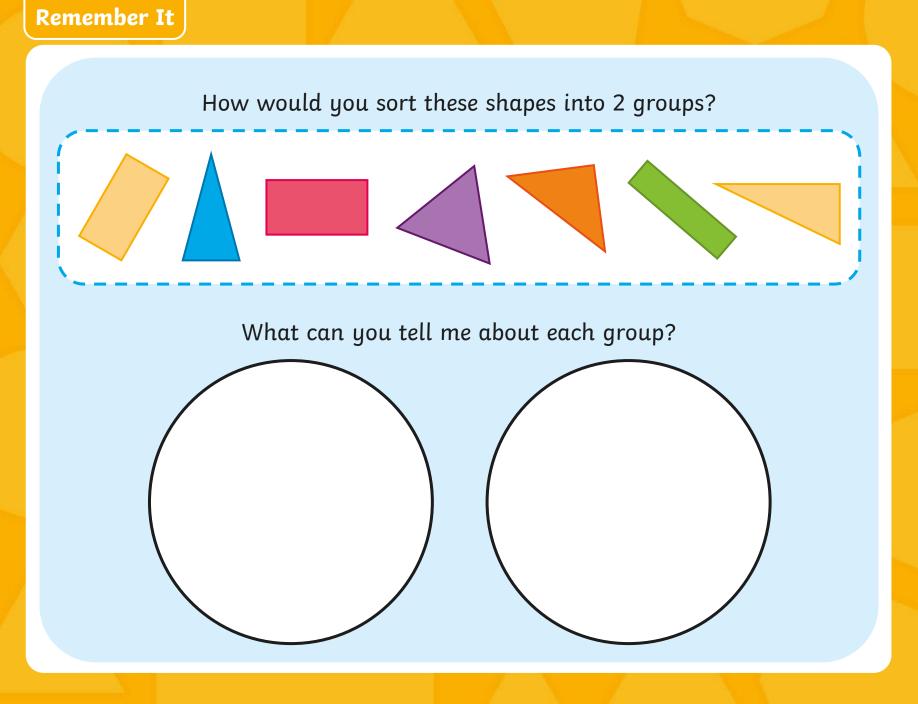
Aim



Success Criteria

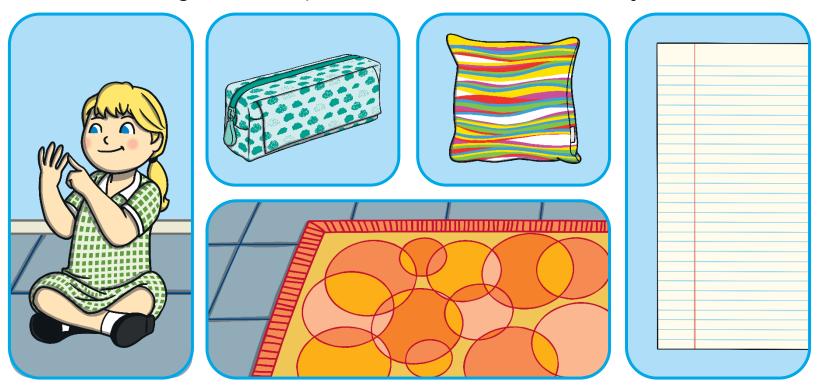
- I can identify the core of 2D shape patterns.
- I can continue 2D shape patterns.
- I can complete 2D shape patterns.
- I can create 2D shape patterns.





What are patterns?

Can you see the patterns on these classroom objects?

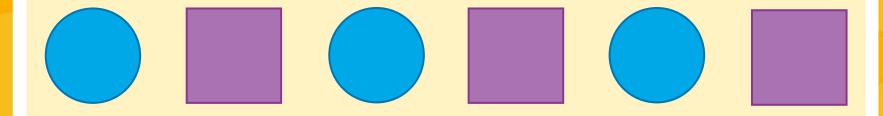


What can you tell me about them?

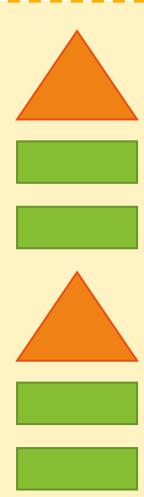
Can you see any patterns in your classroom?



What can you tell me about this pattern?



What do you notice about this pattern?



What's the same about the shapes in this pattern?

The shapes are all circles.

What's different?

The circles are different sizes.

What's the same about the shapes in this pattern?

The shapes are all triangles.

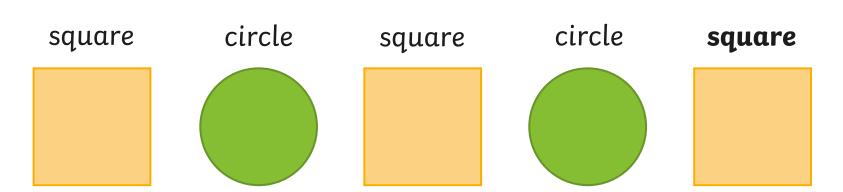


What's different?

The triangles are facing different directions.

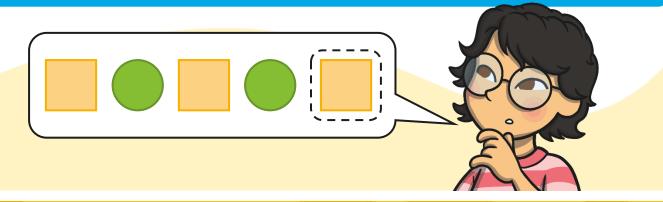


Say the name of each shape as it appears.

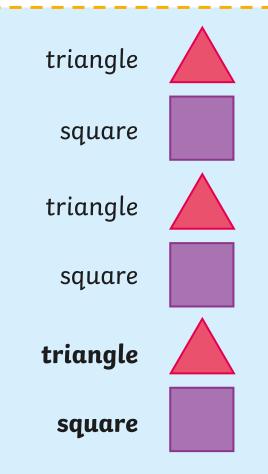


What would the next shape be?

Saying the pattern can help you work out what comes next.



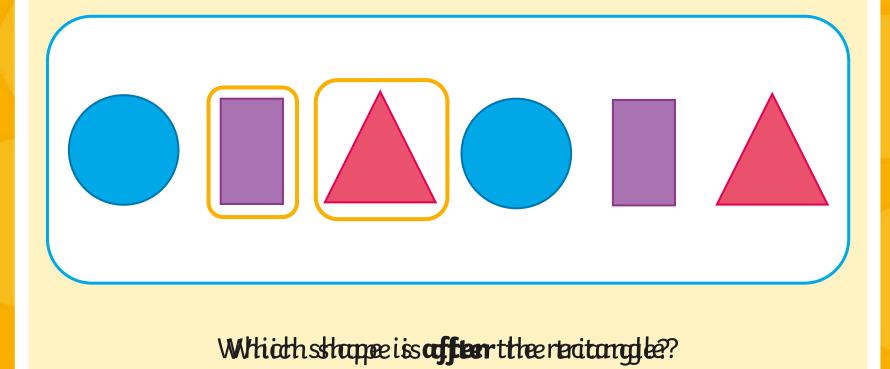
Say the name of each shape as it appears.



What would the next 2 shapes be?

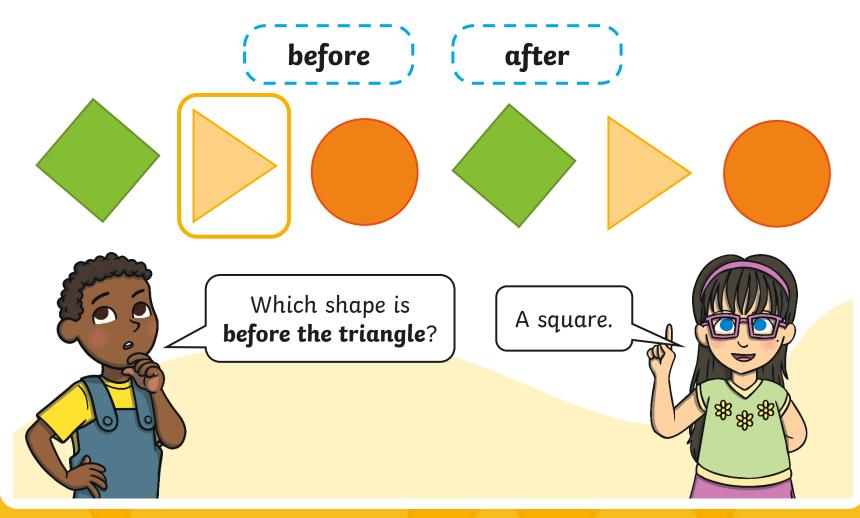


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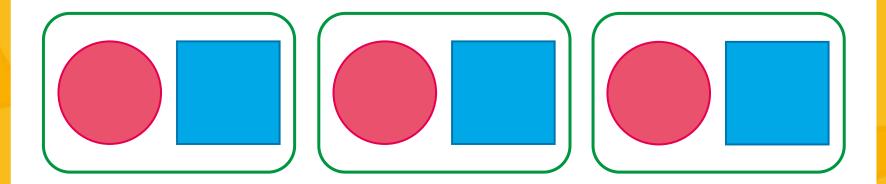


Take turns with a talk partner to give clues about a shape.

Use these words to help you.

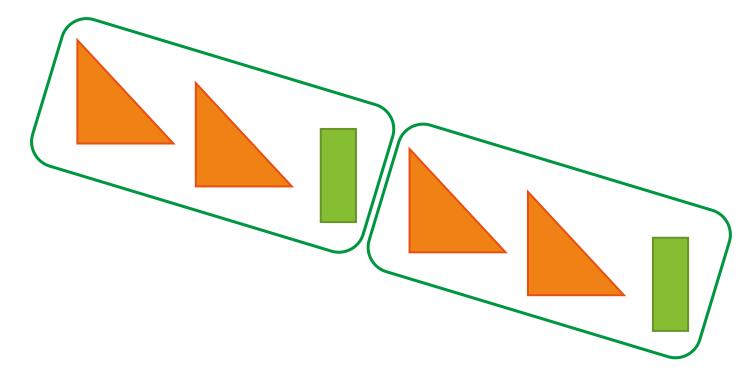


The part of a pattern that repeats is called the core.



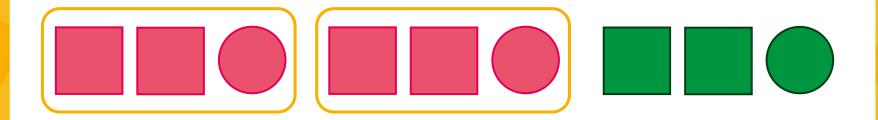
What can you tell me about the core of this pattern?

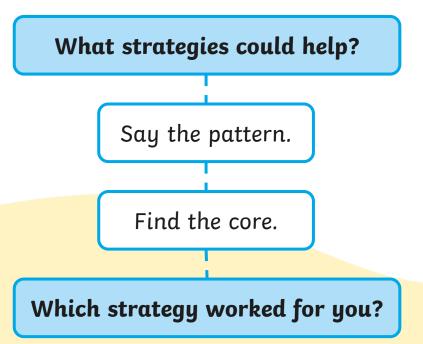
Can you find the core of this pattern?



What can you tell me about the core of this pattern?

Can you continue this pattern?





Can you continue this pattern?

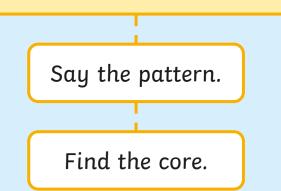


Which strategy will you use?



Which shape is missing from the pattern?

What can you do to find out?

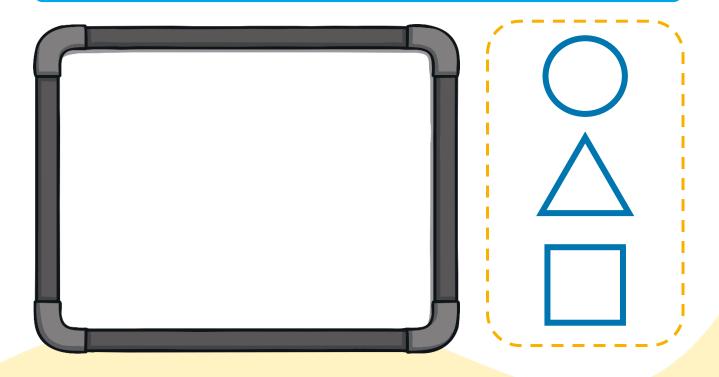


Where do these shapes belong in the pattern?



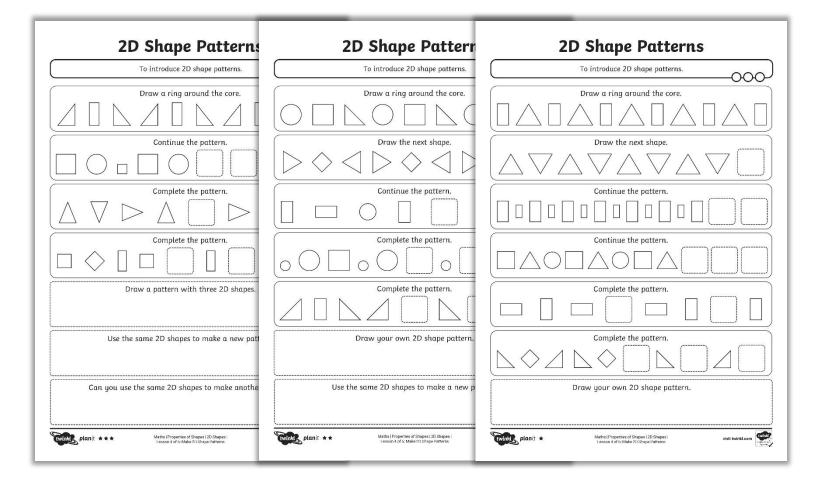
How did you know where to place each shape?

Use these shapes to make a pattern on your whiteboard.



Compare your patterns. What's the same about them? What's different?

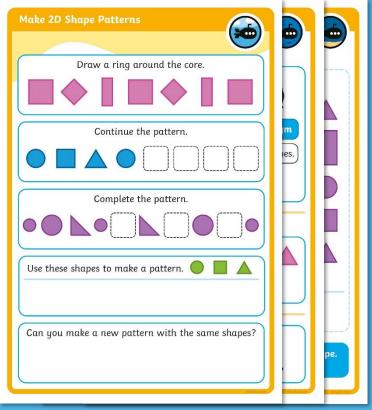
Make 2D Shape Patterns



Diving into Mastery

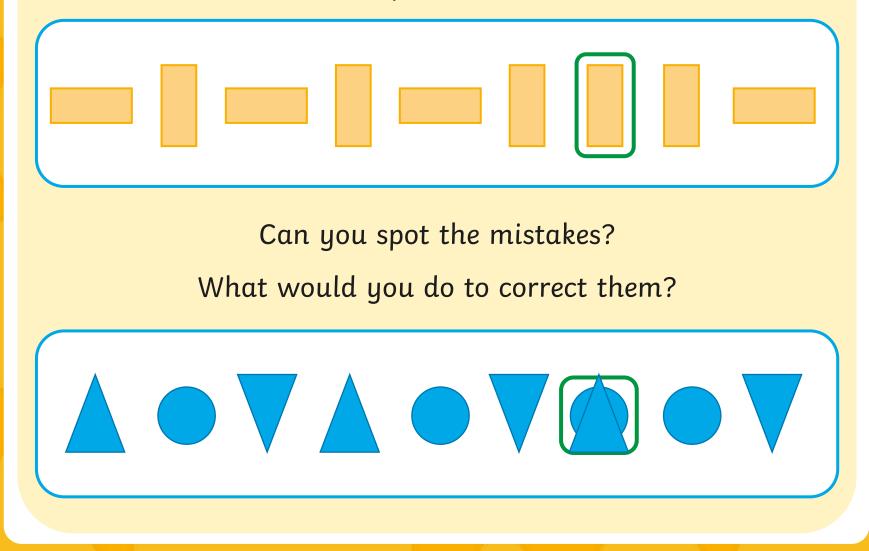
Dive in by completing your own activity!







Are these patterns correct?



Aim



• To introduce 2D shape patterns.

Success Criteria

- I can identify the core of 2D shape patterns.
- I can continue 2D shape patterns.
- I can complete 2D shape patterns.
- I can create 2D shape patterns.

