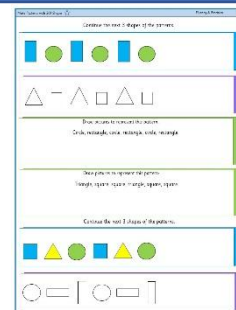


## ★ Make Patterns with 2-D Shapes

Children use their knowledge of the properties of 2-D shapes to create and continue the given patterns. On this sheet, they have simple patterns to make with alternating shapes, and progress to patterns made up of 3 shapes.

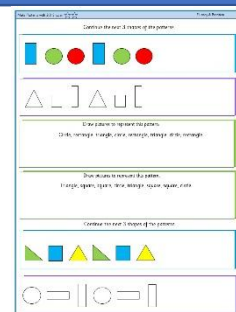
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## ★★ Make Patterns with 2-D Shapes

Children use their knowledge of the properties of 2-D shapes to create and continue the given patterns. On this sheet, they look out and spot the patterns in the sequences.

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## ★★★ Make Patterns with 2-D Shapes

On this sheet, children have more complex patterns to create.

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## Reasoning & Problem Solving

### Make Patterns with 2-D Shapes

Children continue demonstrating their understanding of pictograms by answering reasoning questions, comparing pictograms and answering the questions 'what is the same' and 'what is different'?

Make Patterns with 2-D Shapes

Reasoning & Problem Solving 2

Esin has drawn the pattern that has been represented. Is she correct? What will be 8th?

A red shape with 3 sides.

A blue shape with 4 equal sides.

A green shape with 4 vertices.

Who is correct?

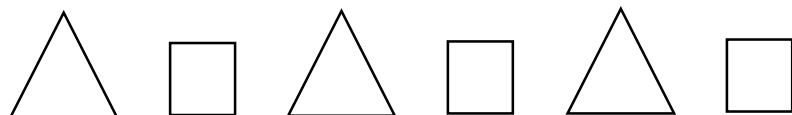
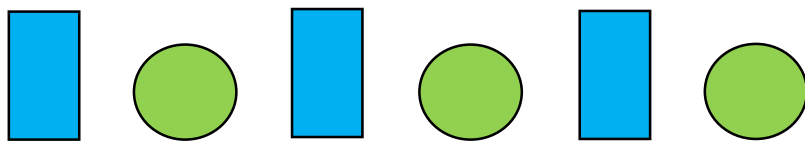
The 9th shape in the pattern will be a circle.

The 14th shape in the pattern will be a rectangle.

Zach

Malachi

Continue the next 3 shapes of the patterns.



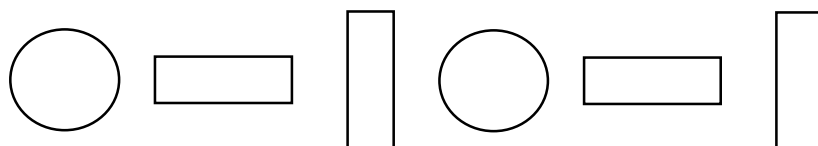
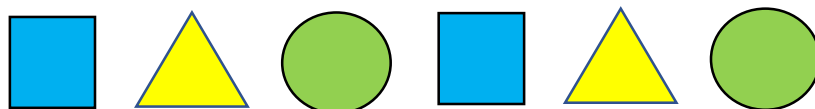
Draw pictures to represent this pattern:

Circle, rectangle, circle, rectangle, circle, rectangle.

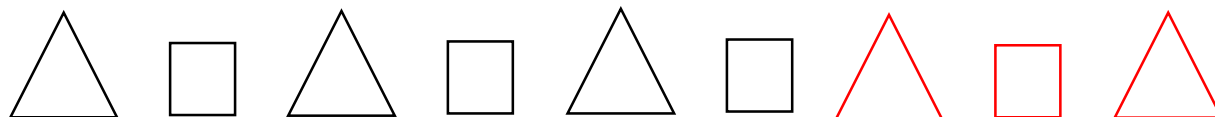
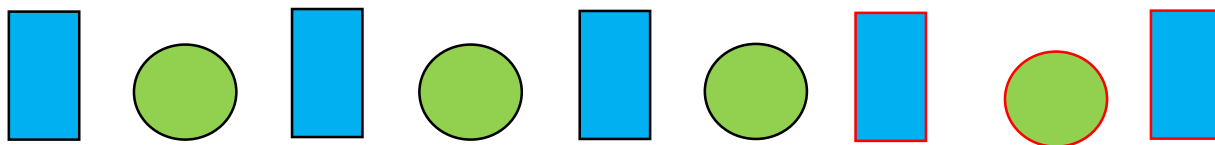
Draw pictures to represent this pattern:

Triangle, square, square, triangle, square, square.

Continue the next 3 shapes of the patterns.



Continue the next 3 shapes of the patterns.



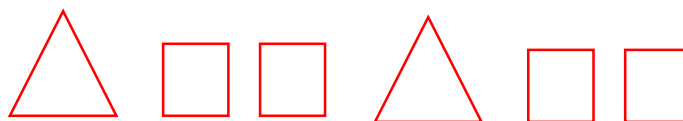
Draw pictures to represent this pattern:

Circle, rectangle, circle, rectangle, circle, rectangle.

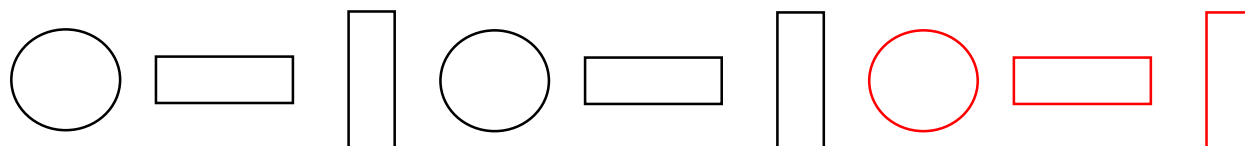
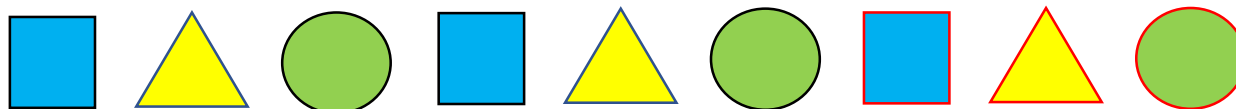


Draw pictures to represent this pattern:

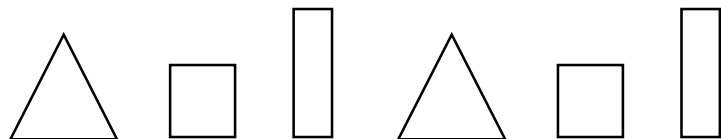
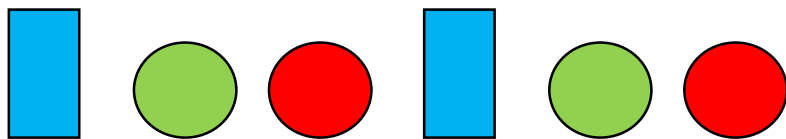
Triangle, square, square, triangle, square, square.



Continue the next 3 shapes of the patterns.



Continue the next 3 shapes of the patterns.



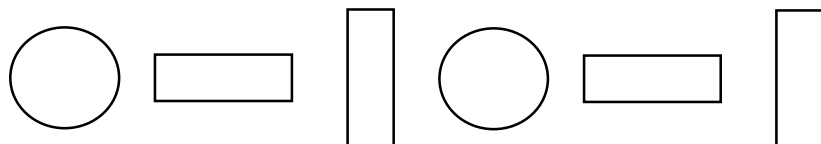
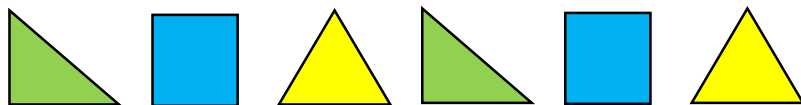
Draw pictures to represent this pattern:

Circle, rectangle, triangle, circle, rectangle, triangle, circle, rectangle.

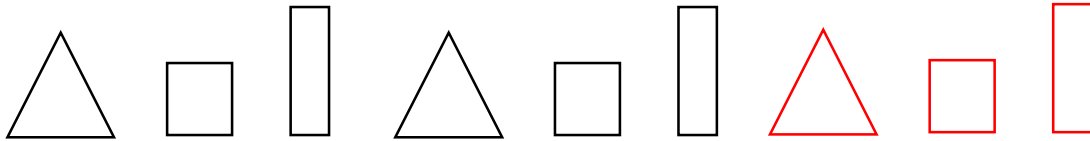
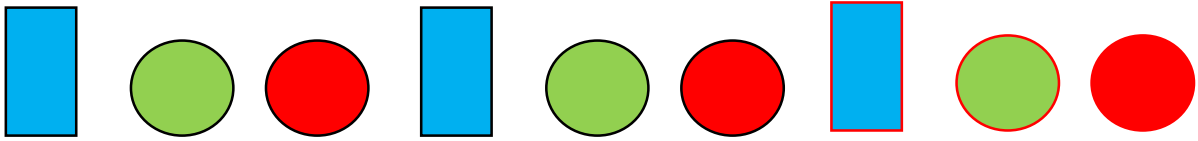
Draw pictures to represent this pattern:

Triangle, square, square, circle, triangle, square, square, circle.

Continue the next 3 shapes of the patterns.

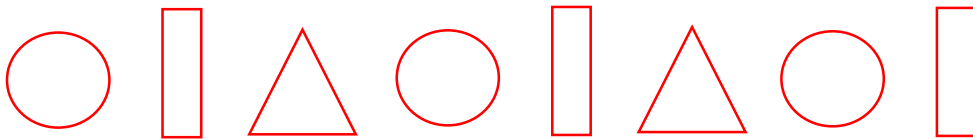


Continue the next 3 shapes of the patterns.



Draw pictures to represent this pattern:

Circle, rectangle, triangle, circle, rectangle, triangle, circle, rectangle.

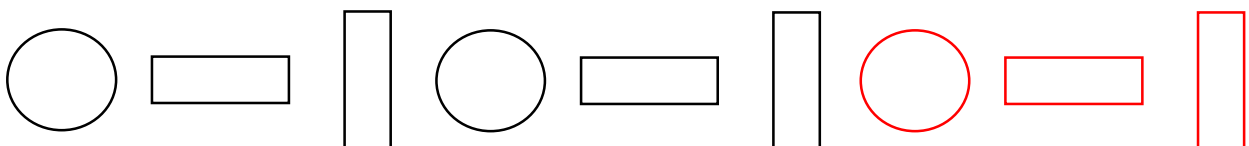


Draw pictures to represent this pattern:

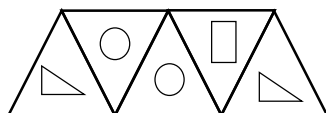
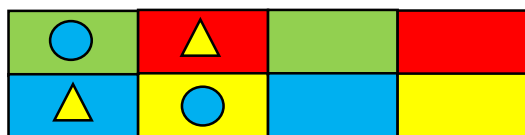
Triangle, square, square, circle, triangle, square, square, circle.



Continue the next 3 shapes of the patterns.



Continue the patterns.



Draw pictures to represent this pattern and continue it:

A shape with 3 sides  
with a vertical line of  
symmetry.

A shape with 3 sides  
with no vertical line of  
symmetry.

A shape with 4 sides  
with no vertical line of  
symmetry.

A shape with 4 sides  
with a vertical line of  
symmetry.

Draw pictures to represent this pattern and continue it:

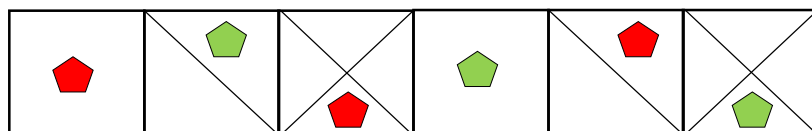
A shape with 1 curved  
side with a vertical line  
of symmetry.

A shape with 3 vertices  
with a vertical line of  
symmetry.

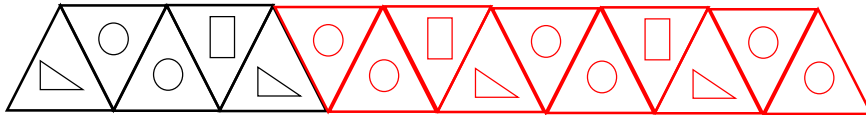
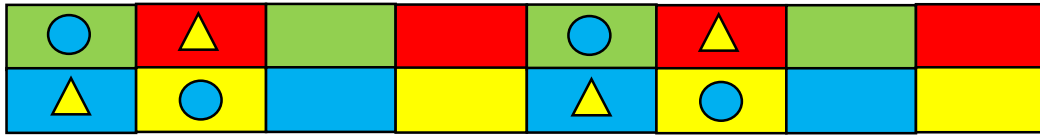
A shape with 4 equal  
sides with a vertical line  
of symmetry.

A shape with 4 vertices  
with no vertical line of  
symmetry.

Continue the patterns.



Continue the patterns.



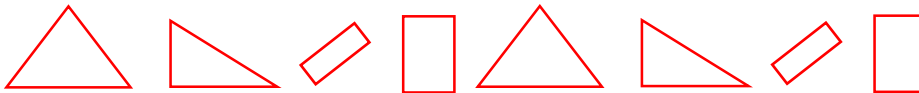
Draw pictures to represent this pattern and continue it:

A shape with 3 sides with a vertical line of symmetry.

A shape with 3 sides with no vertical line of symmetry.

A shape with 4 sides with no vertical line of symmetry.

A shape with 4 sides with a vertical line of symmetry.



Draw pictures to represent this pattern and continue it:

A shape with 1 curved side with a vertical line of symmetry.

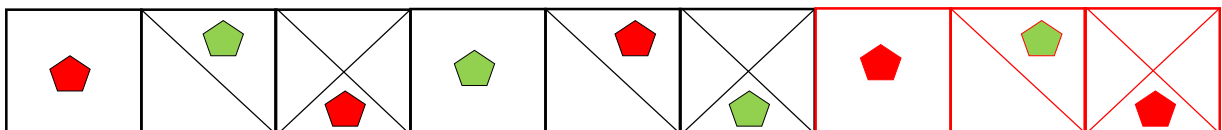
A shape with 3 vertices with a vertical line of symmetry.

A shape with 4 equal sides with a vertical line of symmetry.

A shape with 4 vertices with no vertical line of symmetry.



Continue the patterns.



Esin has drawn the pattern that has been represented. Is she correct?  
What will be the 8<sup>th</sup>?

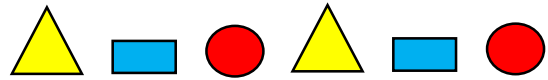
A red shape with 3 sides.

A blue shape with 4 equal sides.

A green shape with 4 vertices.



Who is correct?



The 9<sup>th</sup> shape in the pattern will be a circle.



Zach

The 14<sup>th</sup> shape in the pattern will be a rectangle.



Malachi

Esin has drawn the pattern that has been represented. Is she correct?  
What will be the 8<sup>th</sup>?

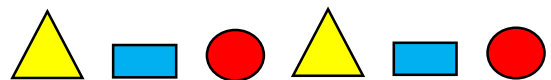
A red shape with 3 sides.

A blue shape with 4 equal sides.

A green shape with 4 vertices.



Who is correct?



The 9<sup>th</sup> shape in the pattern will be a circle.



Zach

The 14<sup>th</sup> shape in the pattern will be a rectangle.



Malachi



Esin has drawn the pattern that has been represented. Is she correct?  
What will be the 8<sup>th</sup>?

A red shape with 3 sides.

A blue shape with 4 equal sides.

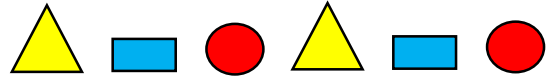
A green shape with 4 vertices.



Yes, she is correct.  
A blue square will be the 8<sup>th</sup>.

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Who is correct?



The 9<sup>th</sup> shape in the pattern will be a circle.

The 14<sup>th</sup> shape in the pattern will be a rectangle.



Zach

They both are.



Malachi

Esin has drawn the pattern that has been represented. Is she correct?  
What will be the 8<sup>th</sup>?

A red shape with 3 sides.

A blue shape with 4 equal sides.

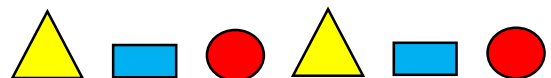
A green shape with 4 vertices.



Yes, she is correct.  
A blue square will be the 8<sup>th</sup>.

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Who is correct?



The 9<sup>th</sup> shape in the pattern will be a circle.

The 14<sup>th</sup> shape in the pattern will be a rectangle.



Zach

They both are.



Malachi