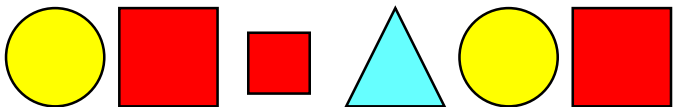


Patterns with 2D shapes



Problem solving and reasoning cards:

The 10th shape in the pattern will be a triangle.



True or false?
Explain your answer.

Spot the mistake in the pattern.



How do you know?
Explain your answer.

Ben says he has created this pattern using only triangles.

What pattern could Ben have drawn?

Draw 3 different patterns below:

Beth says,

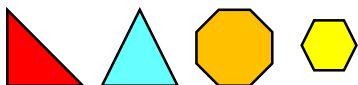


The 11th shape in the pattern is a shape with more than 4 vertices.



Is Beth correct?
Explain your answer.

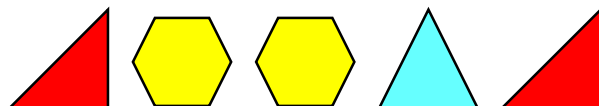
Using all the shapes below, draw 3 different patterns.



Kat says,



The 9th shape in this pattern will be a _____



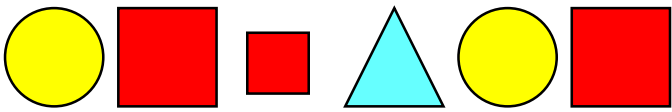
Help Kat complete her sentence.
Draw the 9th shape.

Answers - Patterns with 2D shapes



Problem solving and reasoning cards.

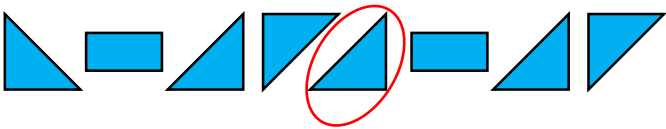
The 10th shape in the pattern will be a triangle.



True or false?
Explain your answer.

False, the 10th shape would be a large red square.

Spot the mistake in the pattern.



How do you know?
Explain your answer.

The 5th triangle is the wrong way round. It should be facing the same way as the first triangle in the pattern, e.g.



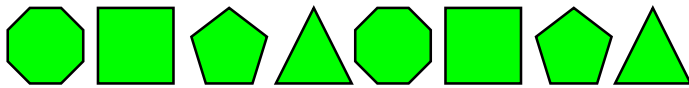
Ben says he has created this pattern using only triangles.
What pattern could Ben have drawn?
Draw 3 different patterns below:

Children will draw three patterns that could include: different size, different orientation and different colours of triangles.

Beth says,



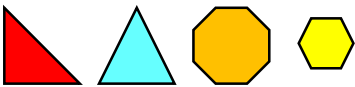
The 11th shape in the pattern is a shape with more than 4 vertices.



Is Beth correct?
Explain your answer.

Yes, the 11th shape will be a pentagon, which has more than 4 vertices.

Using all the shapes below, draw 3 different patterns.

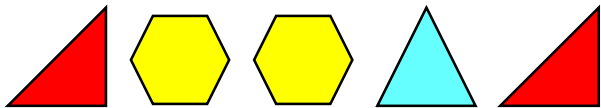


Children will use all the shapes to create 3 different patterns.

Kat says,



The 9th shape in this pattern will be a triangle



Help Kat complete her sentence.
Draw the 9th shape.

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

