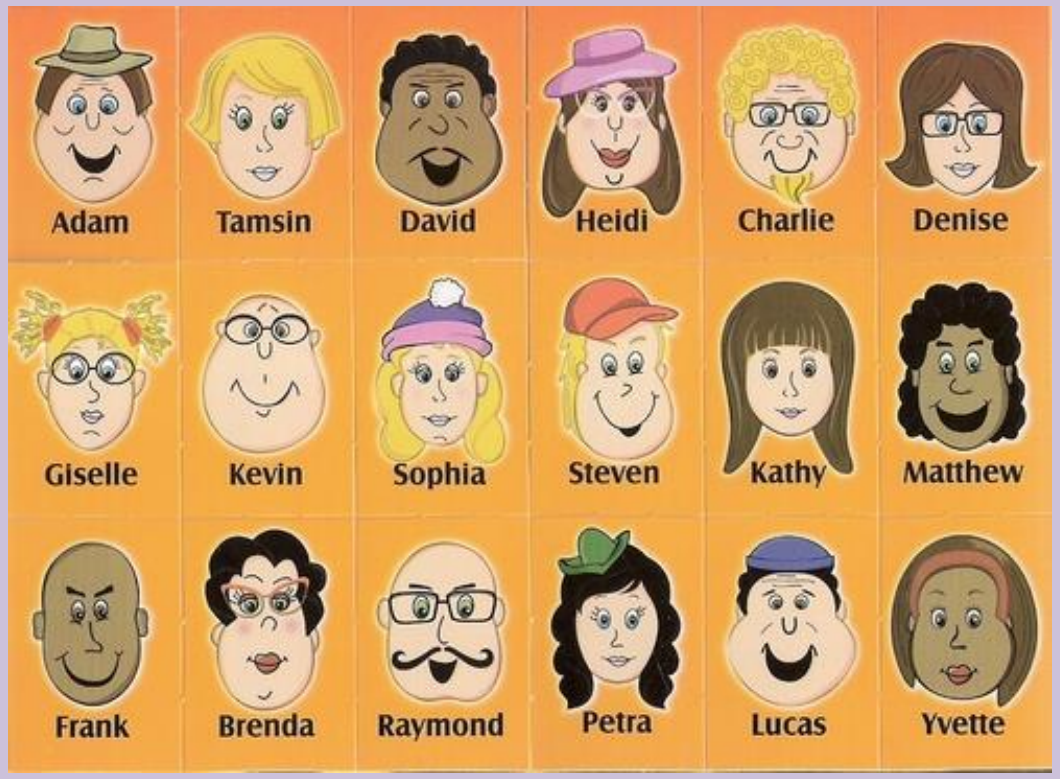
LO: I can identify and describe 2D shapes using knowledge of properties including number of sides.

Developing communication skills

Use this activity to help children develop their communication skills before you begin the therapy.

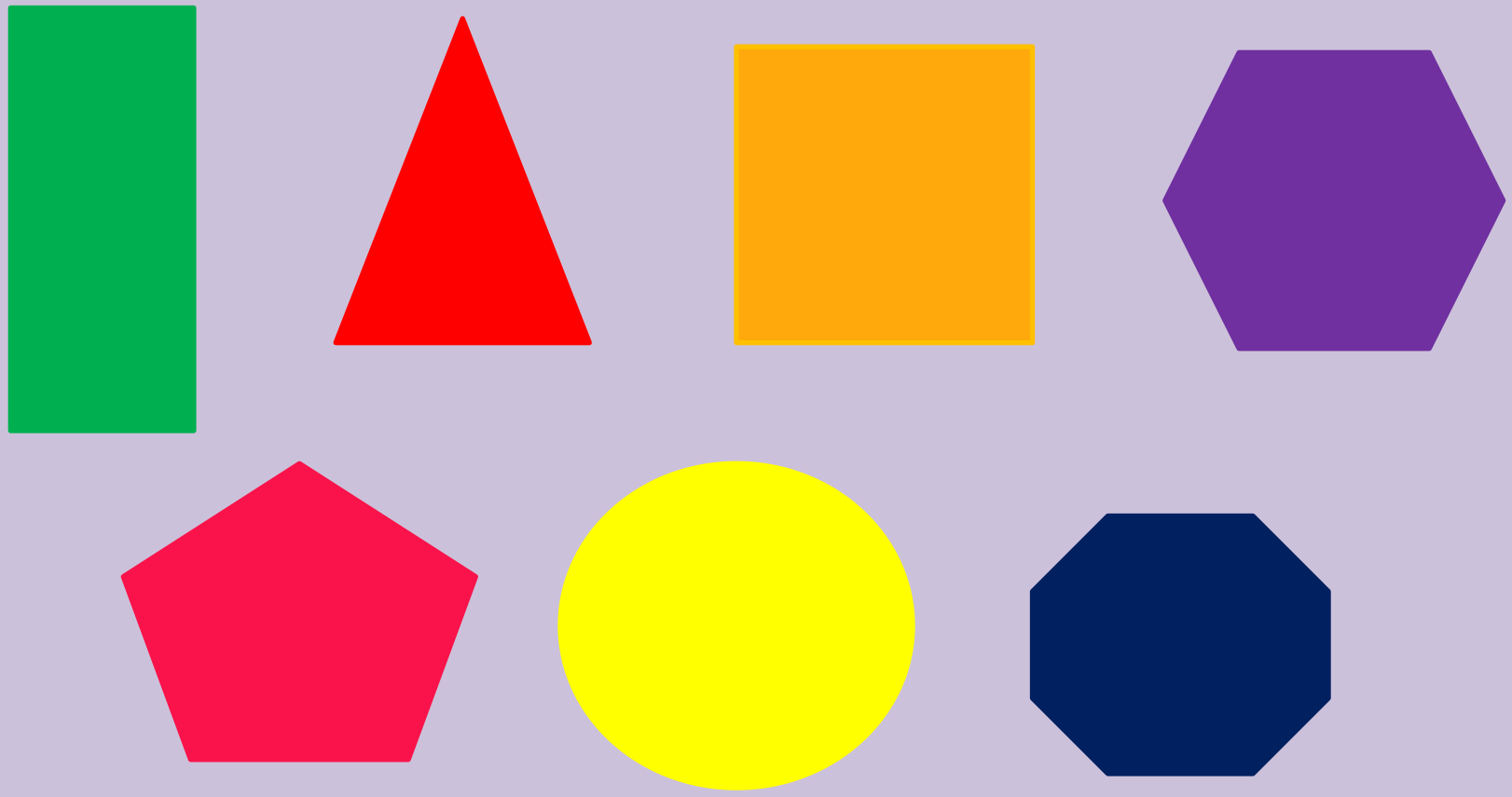
Explain the game of Guess Who? One child describes the face of a character and the others in the group have to guess which face they are describing. Make sure children give their clues in full sentences and encourage them to give specific clues.



Did you give precise descriptions?

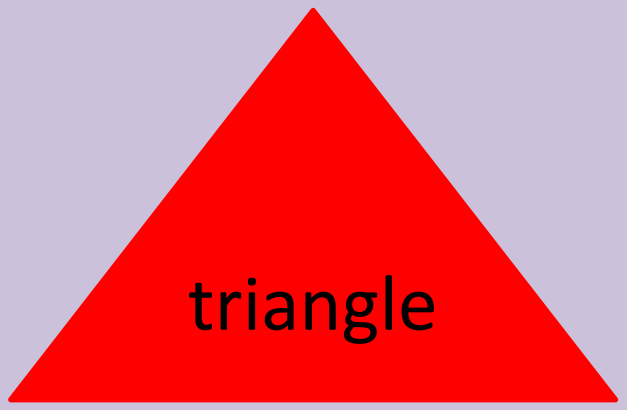
2D Shapes

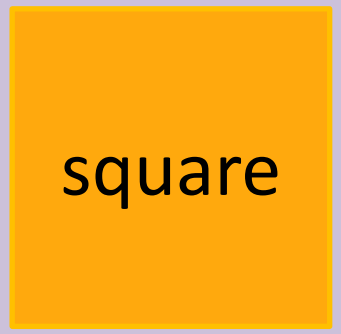
A 2D shape is a form or an outline which is **flat**.
The ‘D’ stands for the word **dimensional**.

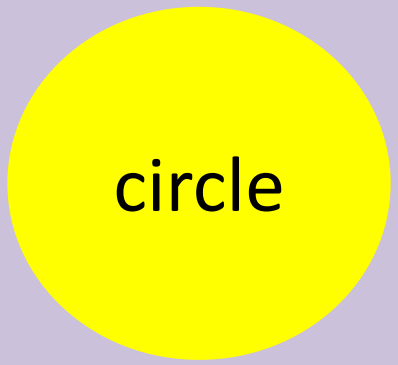


2D Shapes

Can you name these shapes?

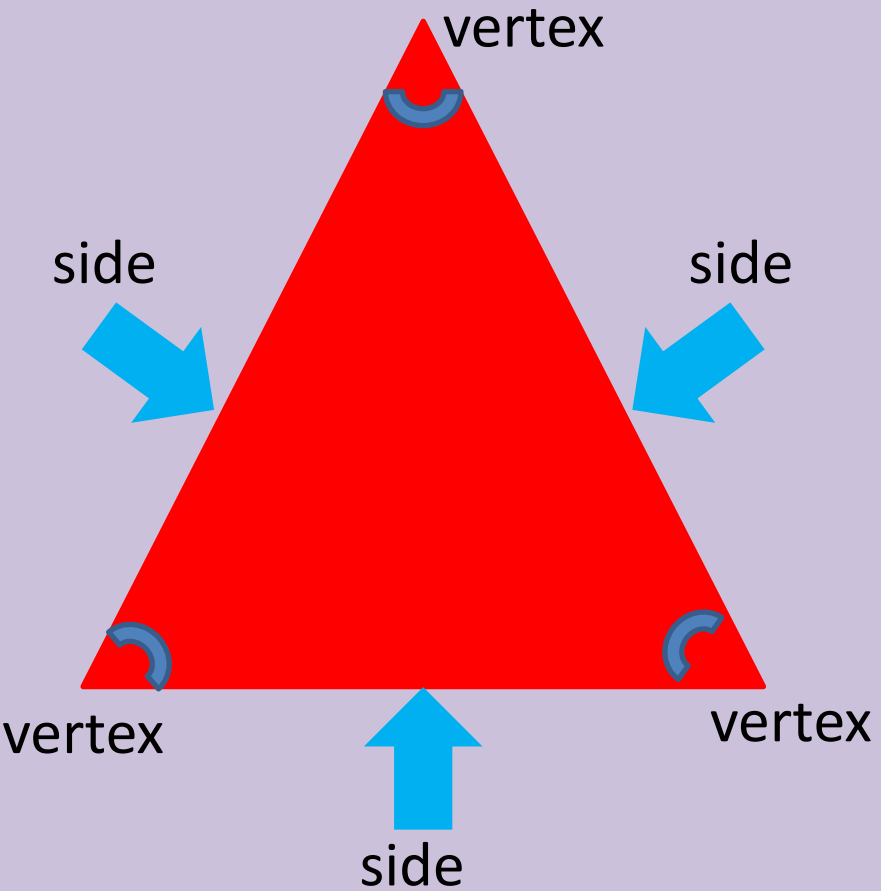






2D Shapes

We can use the **properties** of a shape to describe or identify it. The **properties** for 2D shapes include the **number of sides** and **vertices (corners)**.



A triangle has three sides and three vertices (corners).

Practise

Which 2D shape has only one side and no vertices (corners)?

Practise

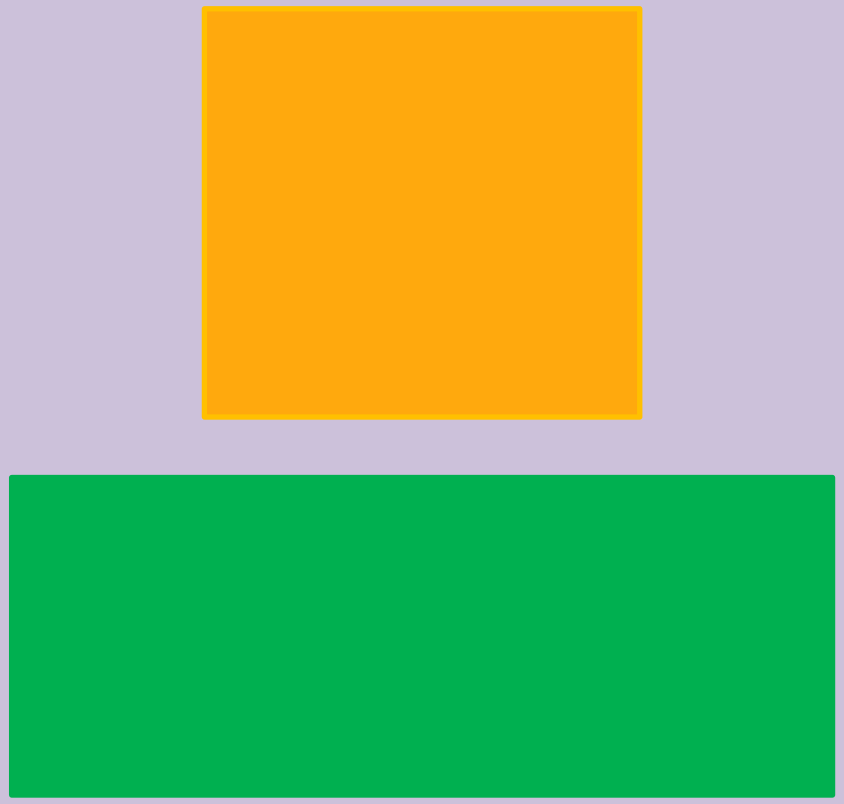
Which 2D shape has only one side and no vertices (corners)?

Practise

Can you name two different 2D shapes that both have four straight sides and four vertices (corners)?

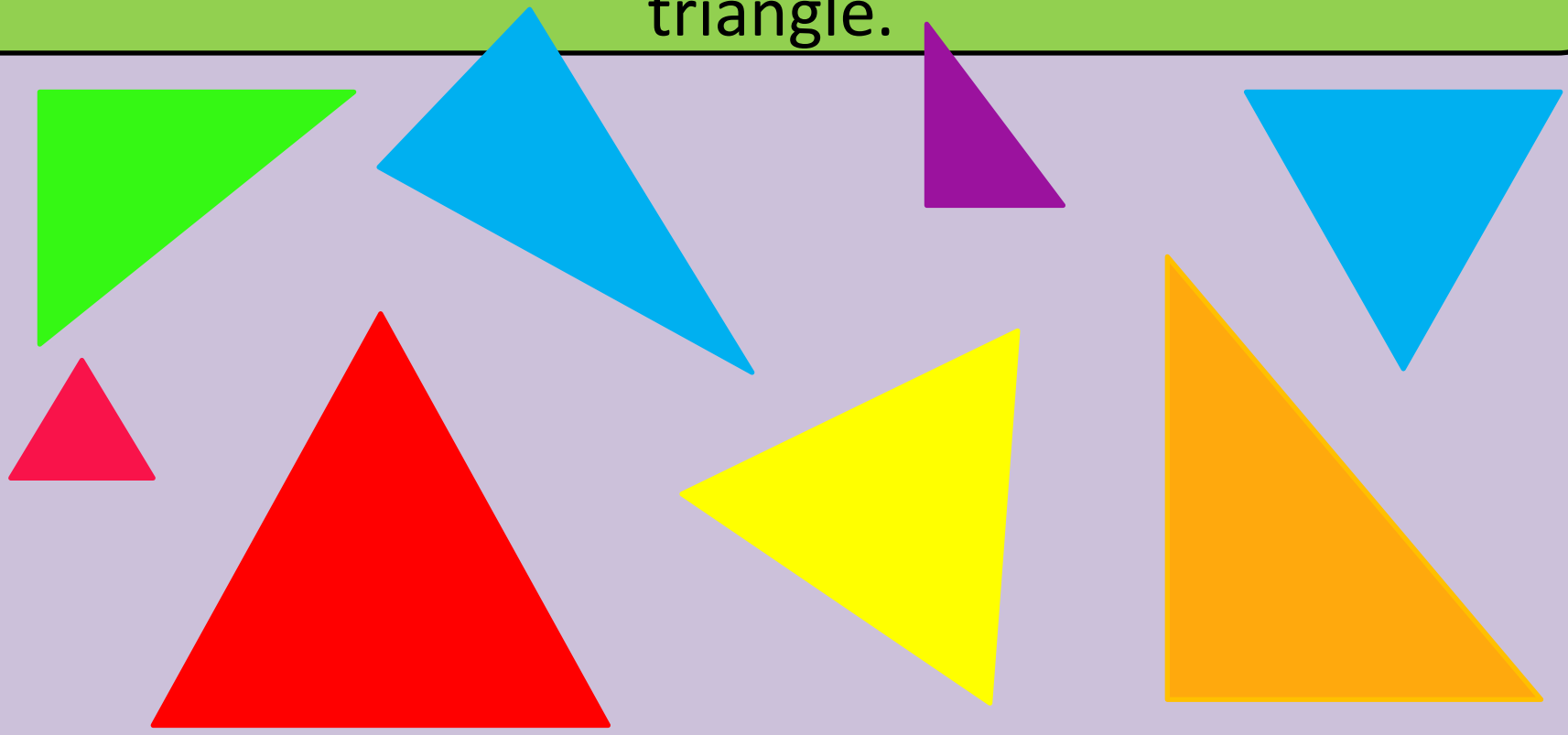
Practise

Can you name two different 2D shapes that both have four straight sides and four vertices (corners)?



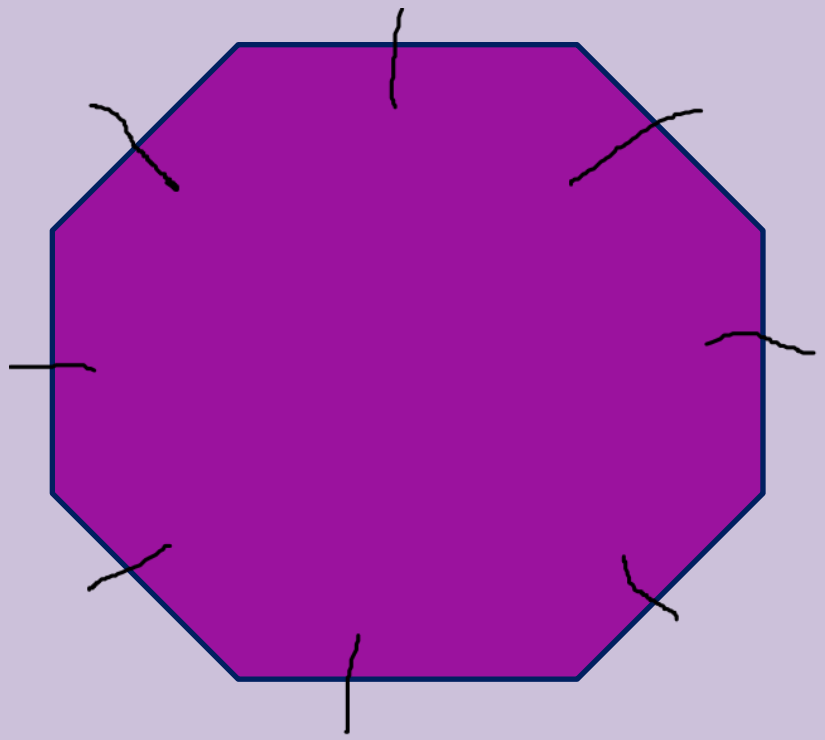
2D Shapes

These are all triangles - it does not matter what size they are or which way up they are. Every shape that has three vertices (corners) and three sides is a triangle.



2D Shapes

Count the sides for this shape.

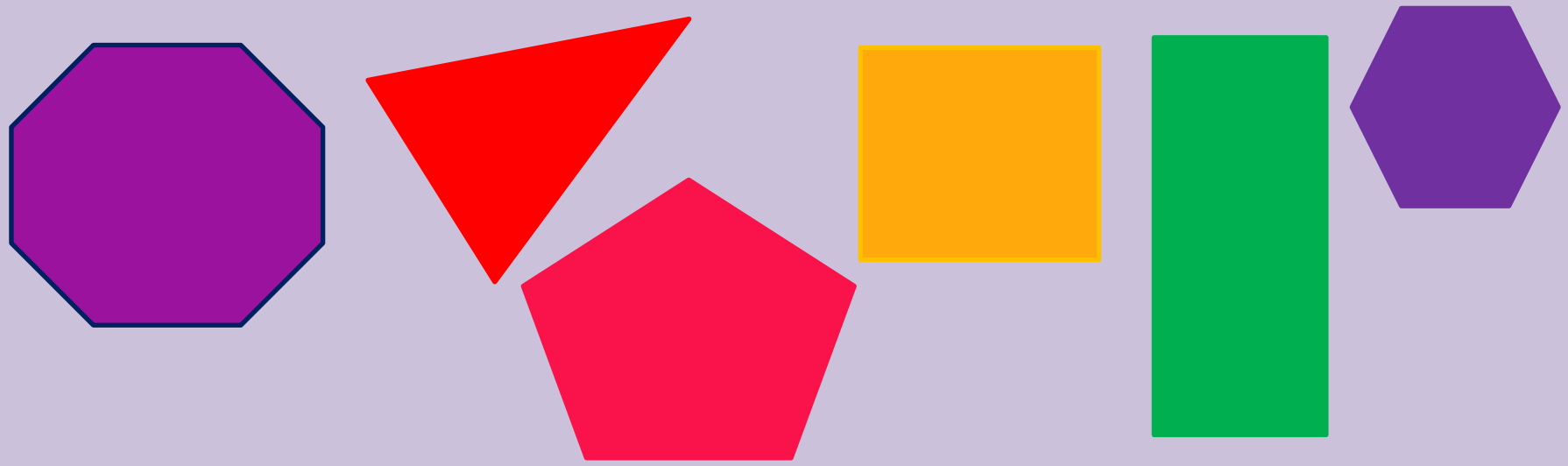


Did you get eight?
Now count the vertices (corners).

This is an octagon. It has eight sides and eight vertices (corners).

2D Shapes

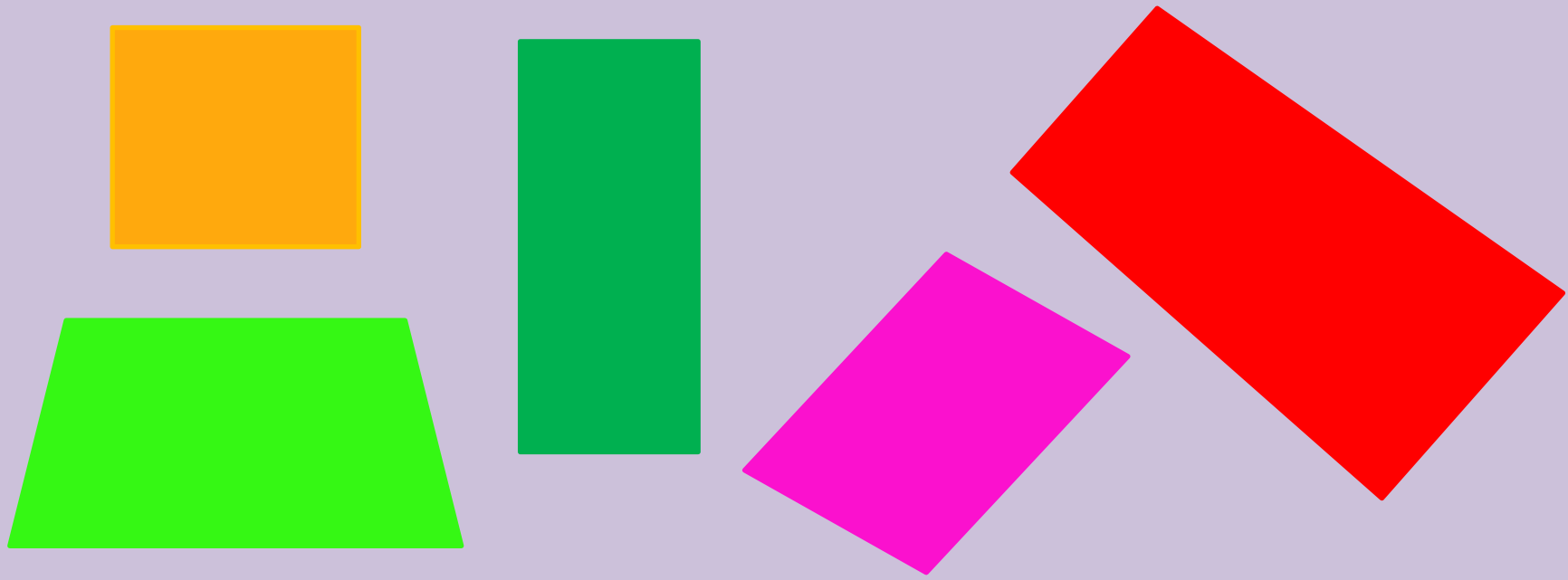
A **polygon** is the name given to all 2D shapes with **straight sides** that are **fully closed** (all of the sides are joined up). The sides must be **straight**.



All of these shapes are polygons.

2D Shapes

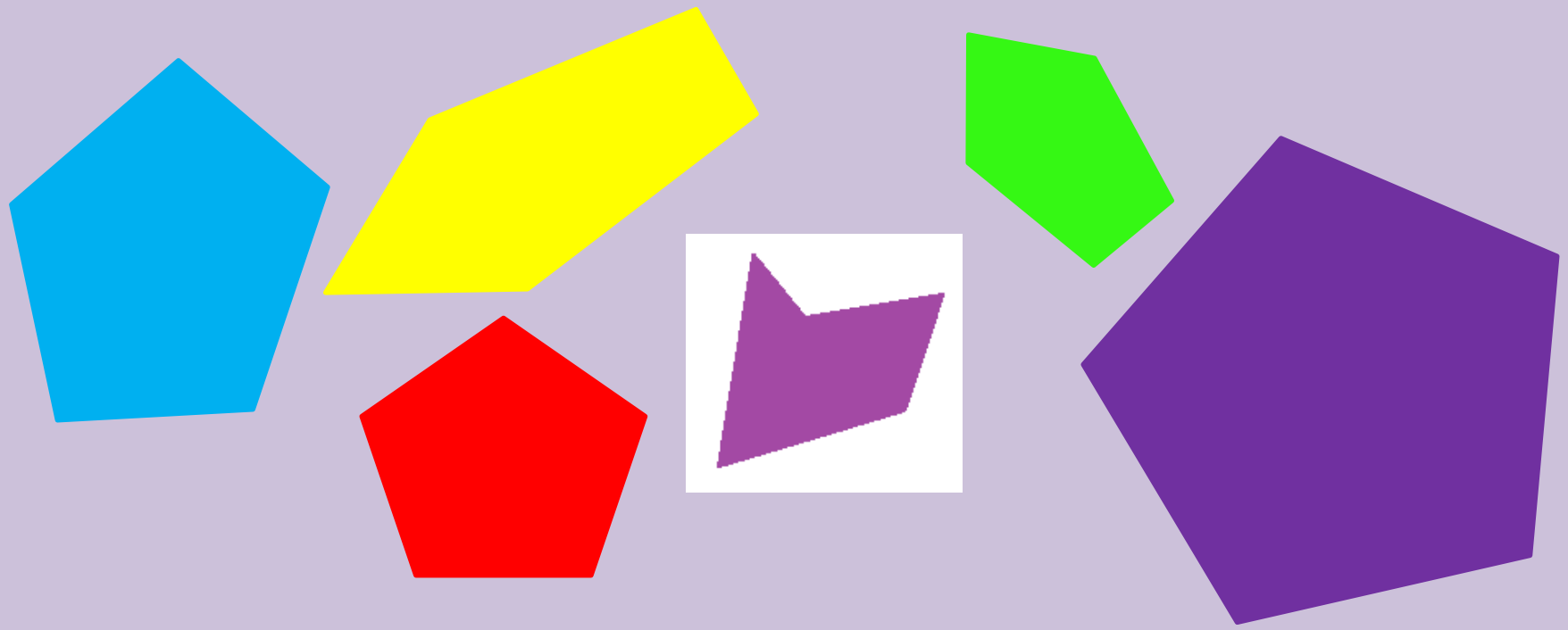
A **quadrilateral** is the name given to all 2D shapes with **four straight sides** and **four vertices (corners)**.



All of these shapes are quadrilaterals.

Practise

Look at the pictures of these shapes. Can you name the shapes you see?



How do you know it is this shape?

Show Me Tasks

M6a. Can identify and describe 2D shapes using knowledge of properties including number of sides (including in different orientations)

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What shape am I?

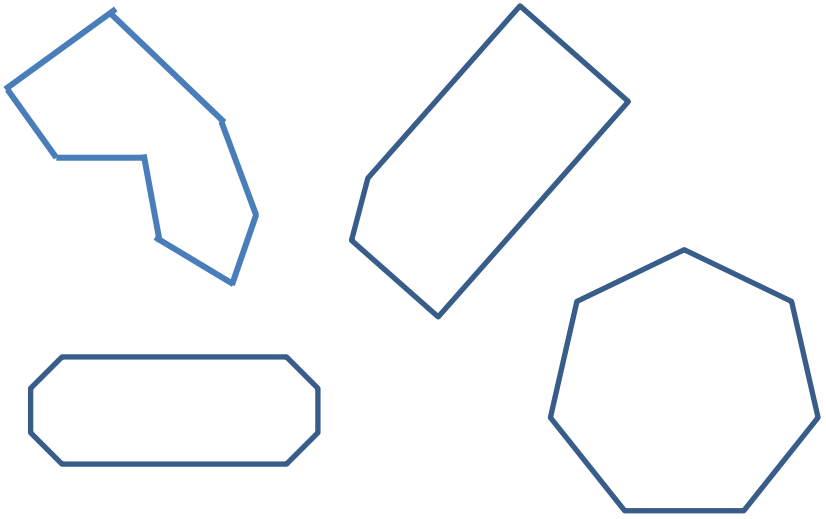
I have five sides and five vertices.

I have one curved side.

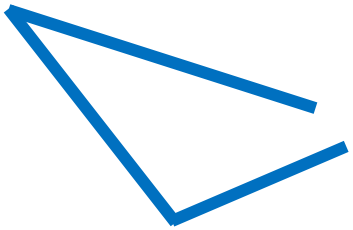
I have six sides and six vertices.

Try to draw each of these shapes.

Tick the shapes that are an octagon.



1. Is this a triangle? Explain your answer.



2. Can a square be both a polygon and a quadrilateral? Why?