Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children will sort 2D shapes into the correct category and should be able to explain their choices. To do this practically, you could make a 'shape sorter' machine (drawn on paper or with a cardboard box) and provide children with drawings of 2D shapes, getting them to sort the shapes practically.

What are the names of these 2D shapes?

What does a triangle look like? How many sides/corners does it have? Are its sides straight or curved?

Can you describe the shape you have chosen and sort it into the correct group?

Can you see a triangle? How do you know it is a triangle?

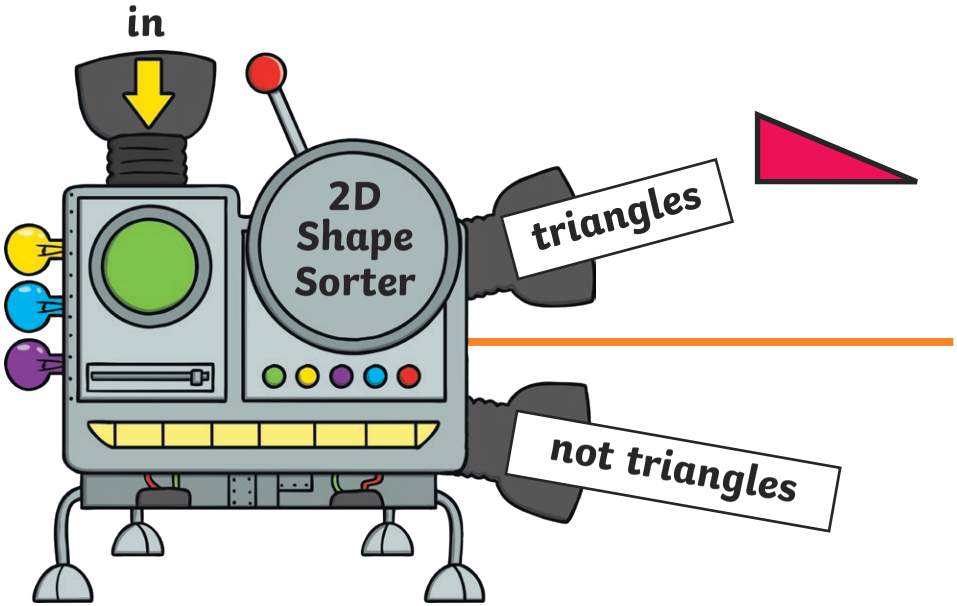
Can you see a shape that is not a triangle? What shape is it? How do you know it is not a triangle?

Can you see any shapes that look the same as/different to this?

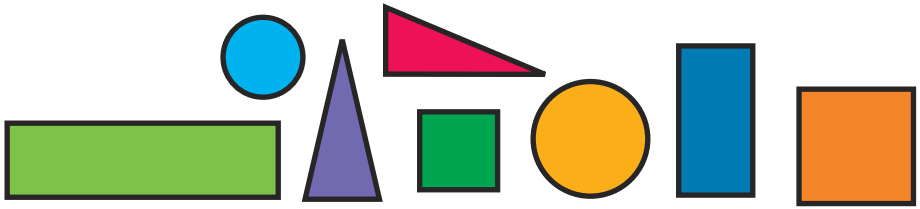
Can you think of a different way to sort the shapes?

Sort 2D Shapes

Place the 2D shapes in the correct place after they have been through the sorting machine. One has been done for you.



Shapes to sort:



Diving into Mastery – Deeper

Adult Guidance with Question Prompts

You could provide children with drawings of the 2D shapes shown. Get them to sort them into the groups that Carlos chose. Ask them to say what they think the labels would be to go with the groups. Children resort the same shapes into the correct groups. Children could then sort the shapes into groups of their choosing, explaining how they have sorted them. Children could sort by shape, colour or size.

What are the names of these 2D shapes?

What is the same about the shapes in the first group? Do they have straight or curved edges? How many edges do they have? Do they have any corners?

Why don't the other shapes fit in this group?

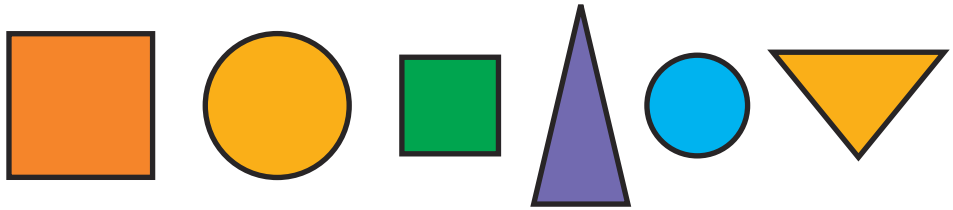
What labels could you write to show how the groups are sorted?

Can you choose two different groups to sort the shapes into?

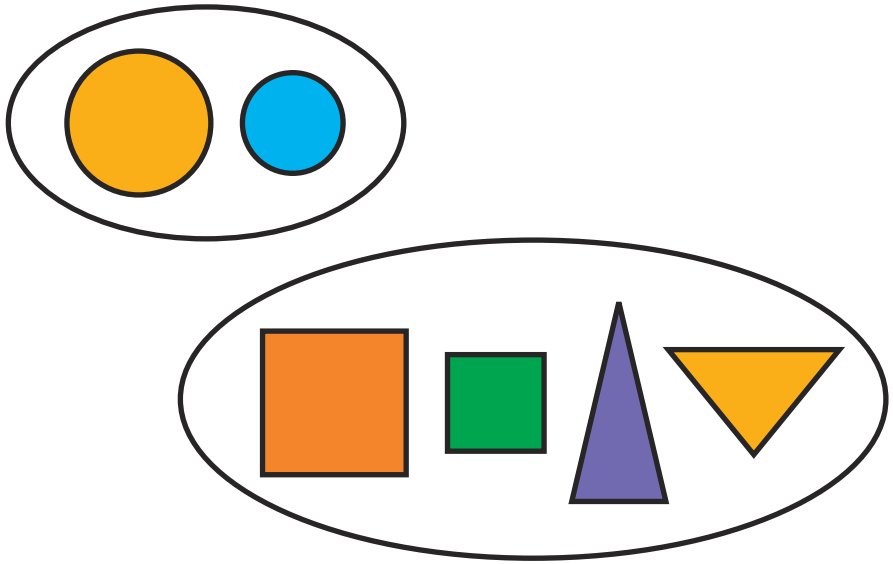
Can you think of more than two different groups to sort the shapes into?

Sort 2D Shapes

Here are some 2D shapes.



Carlos sorted these shapes into two groups. How has Carlos sorted the shapes?



Use some different shapes and sort them into groups. Ask your partner to tell you how he or she thinks you sorted them.

Diving into Mastery – Deepest

Adult Guidance with Question Prompts

To do this practically, you could set up two sorting hoops with labels as shown and place drawings of 2D shapes in the hoops. Make a note of children's responses to the questions on the card. Get children to work in pairs. Using the same labels, they should place some shapes in the correct hoop and some incorrectly, and get their partner to rearrange them so they are in the correct place.

What are the names of these 2D shapes?

Which groups have they been sorted into?

What does a triangle look like? How many sides/corners does it have? Are its sides straight or curved?

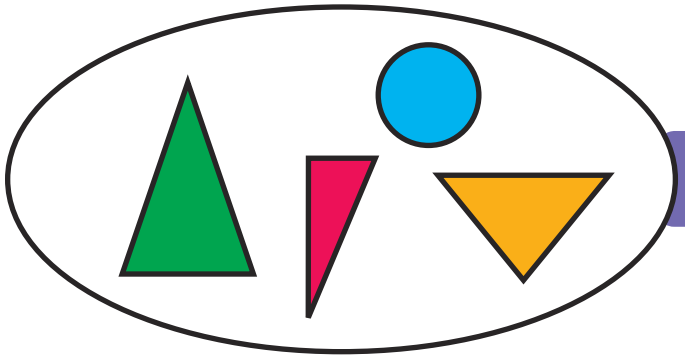
Can you see a shape in the triangle sorting circle that is in the wrong place? Why is it in the wrong place?

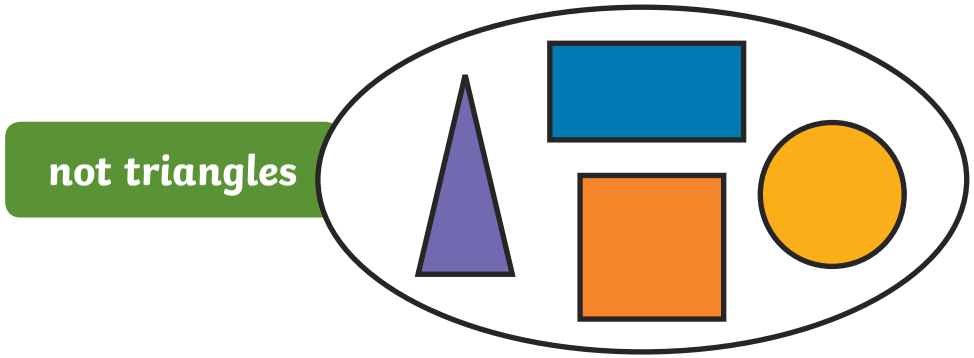
Have the shapes in the 'not triangles' group been correctly sorted? Which one is wrong? How do you know?

Can you think of other ways of sorting the shapes? What would you write on the labels?

Sort 2D Shapes

Here are some 2D shapes which Freddy has sorted into 2 groups:





Has he put every shape in the correct group?

Find 2 more shapes which would fit in each hoop.

Can you think of other ways to sort the shapes into 2 or more groups?