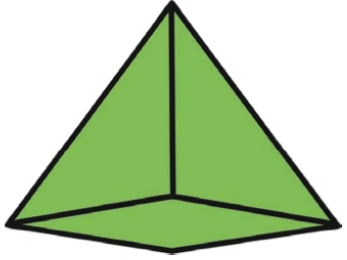
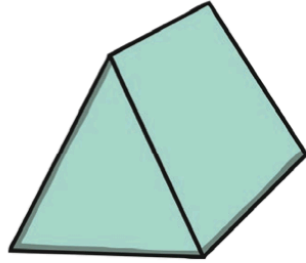


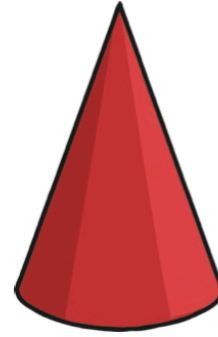
SHAPE LESSON 9



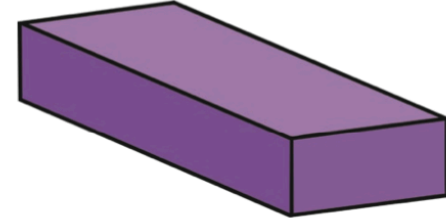
square-based pyramid



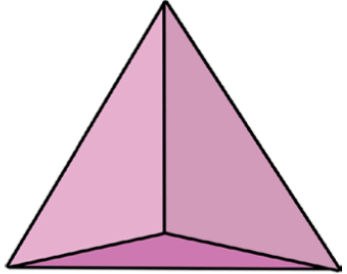
triangular prism



cone



cuboid



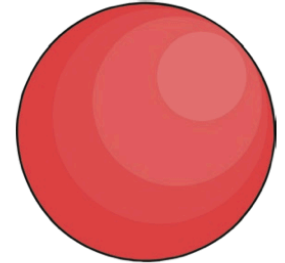
tetrahedron



cube



cylinder



sphere

RECALL

Whitney says,




I have a 3-D shape with
2 square faces and 4
rectangular faces.

What shape does Whitney have?



Draw it out to help.



Describe the faces of a 3D shape to a partner. Can they guess what it is?

TO RECOGNISE 3D SHAPES AND THEIR PROPERTIES - EDGES

Date Learning ladder ref

GUIDED PRACTICE

Counting edges on 3D shapes



Discover




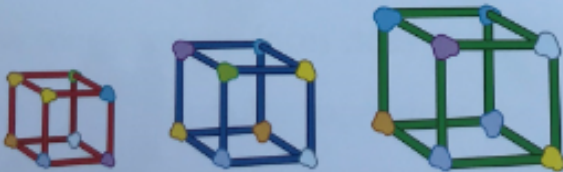
Molly

Bob

Hassan

1 a) Hassan wants to make his own .
How many  does he need?

b) There are three different : small, medium and large.



What stays the same and what changes?

What is an edge?
Use the knex to
make a cube.
Count the edges.

INTELLIGENT PRACTICE



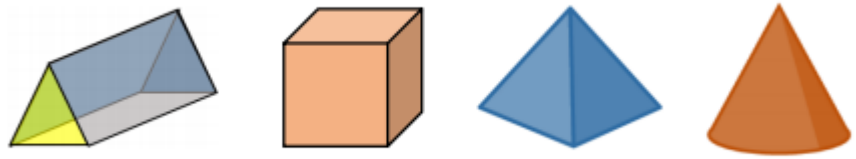
Molly makes different shapes to dunk in the bubble mixture.
How many straws are needed to make each shape?

Shape	Number of straws needed

The last shape has a triangle at each end. It is called a **triangular prism**.



Look at these 3-D shapes:



How many edges does each shape have?



Ron has sorted these shapes according to the number of edges.
Which shape is in the wrong place?
Explain why.


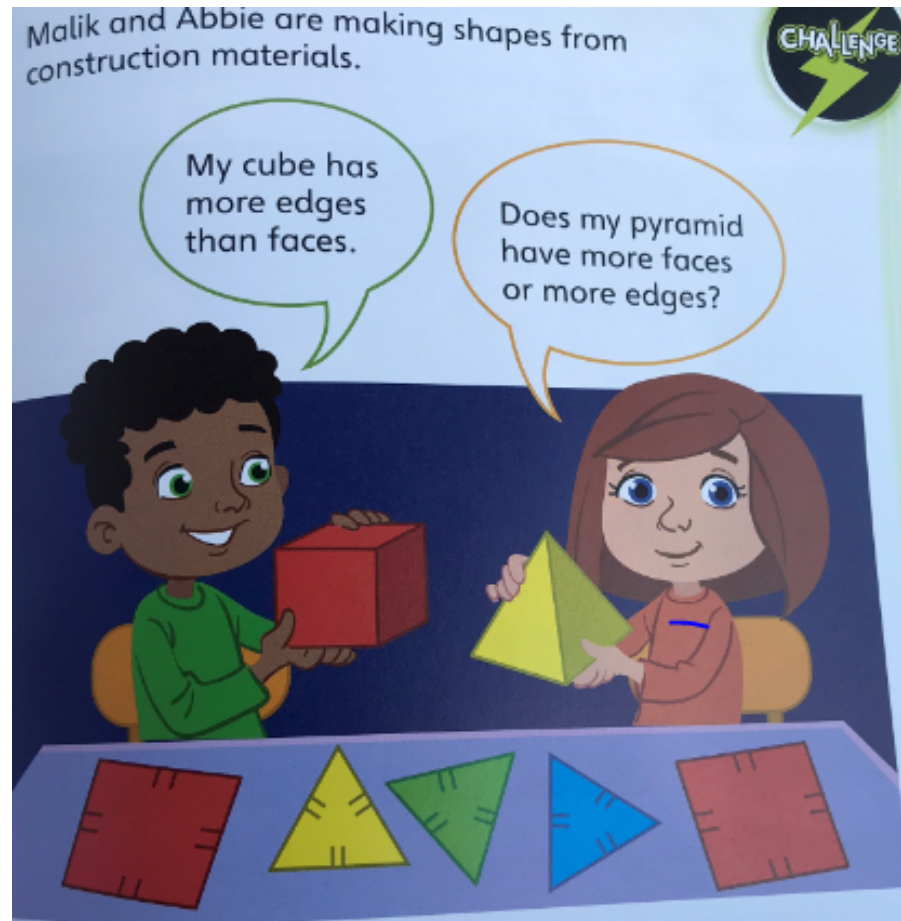


Use the resources to help you!



Can you add any more items into the Venn Diagram?

DIVE DEEPER



How many edges does a cube have? How many does a pyramid have?



Does a 3D shape always have more edges than faces?