

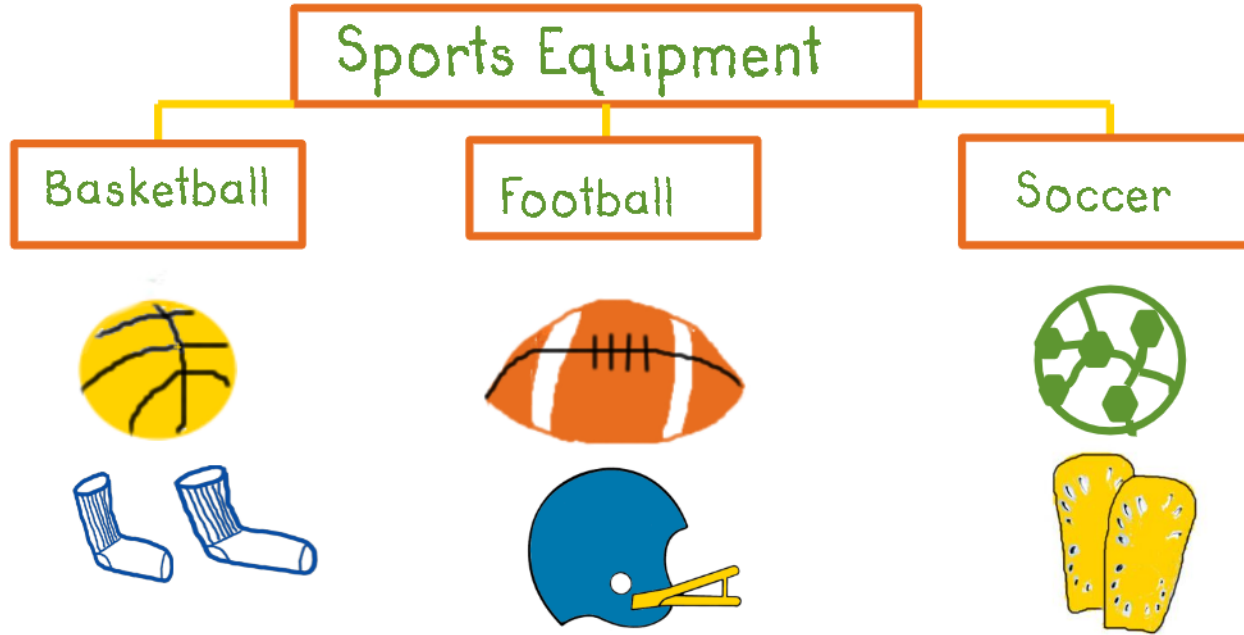
How do we identify a cube at the Shape Warehouse?



In this lesson you will learn
how to identify a cube by
examining its attributes.

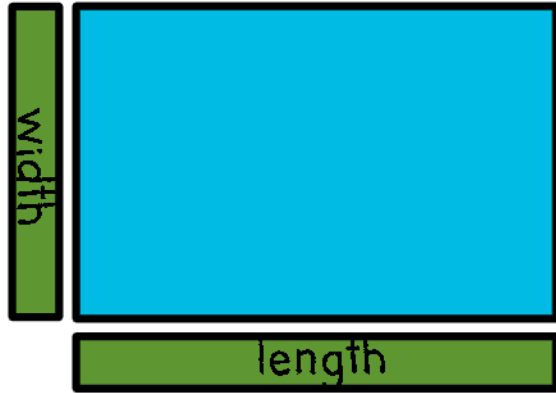
Let's Review

We sort objects according to their attributes.



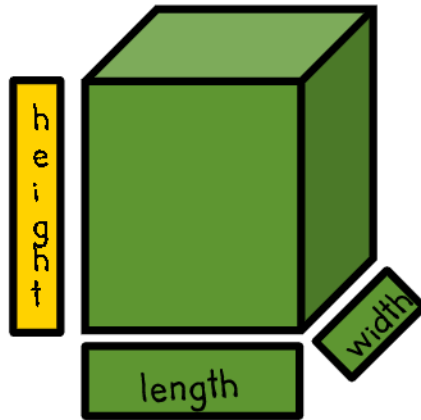
Let's Review

A 2d shape is one that has only length and width. It is a flat object.



Core Lesson

As workers at the Shape Warehouse, we need to identify 3-dimensional shapes. 3-d shapes have length, width, and height.



Core Lesson

What are the attributes of a cube we should be looking for at the Shape Warehouse?

3-d shape

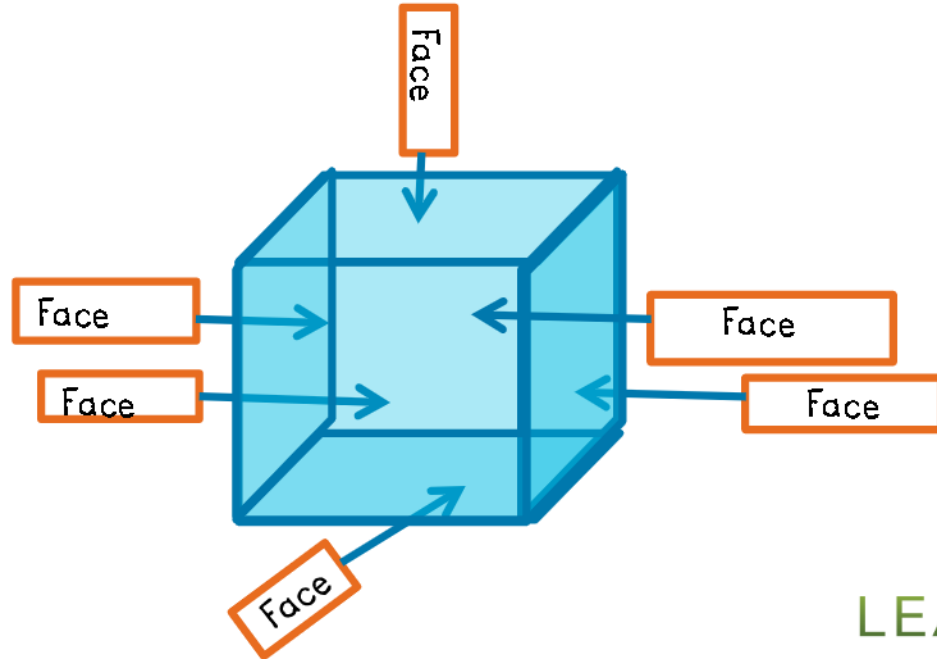
6 faces

8 vertices

12 edges

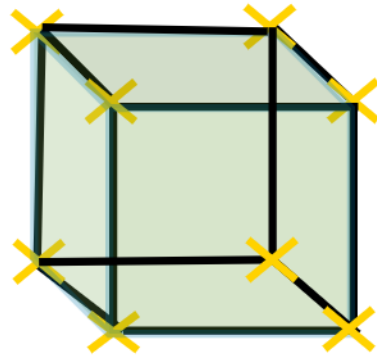
Core Lesson

Faces are the flat surfaces of a cube. A cube has 6 faces.



Core Lesson

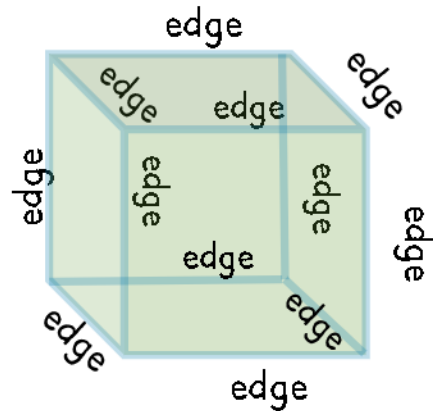
A point where two or more straight lines meet is called the vertex. More than one vertex are called vertices.



8 vertices

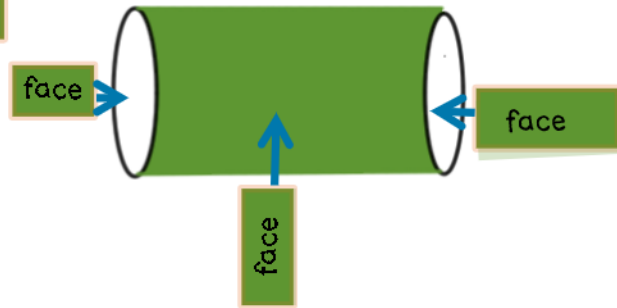
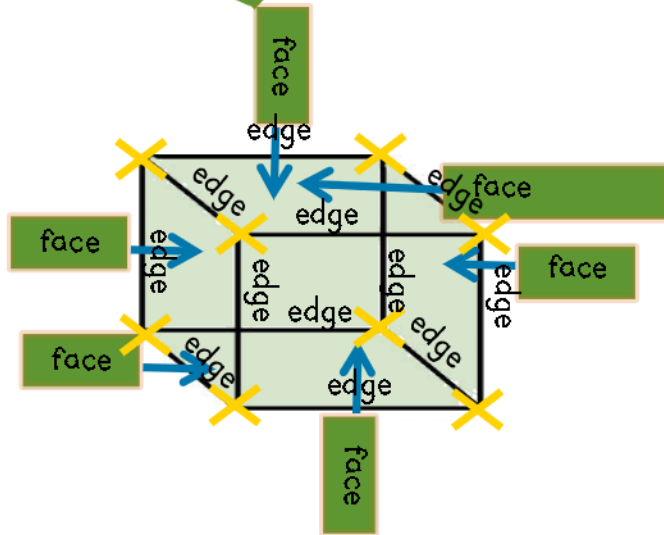
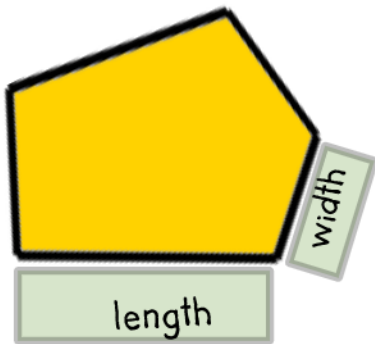
Core Lesson

The line where two surfaces meet is called an edge. A cube has 12 edges.



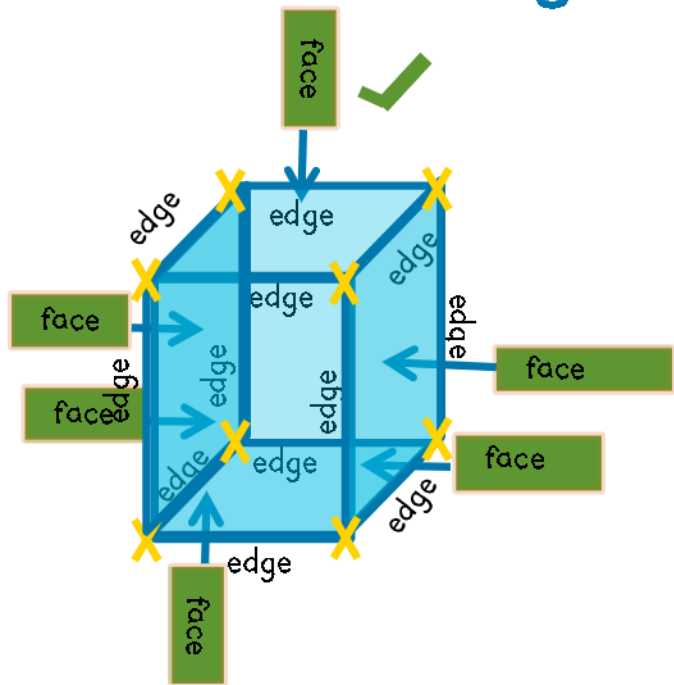
Core Lesson

Which of these shapes belong at the Shape Warehouse?

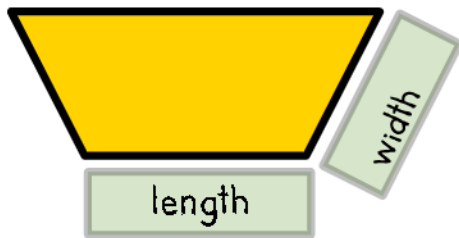


Core Lesson

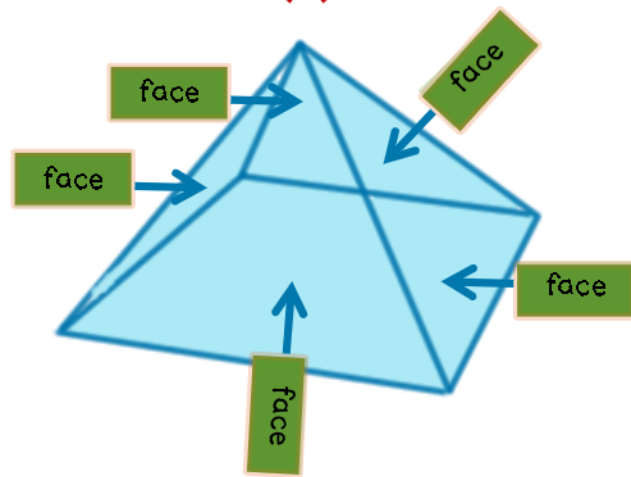
Let's inspect these shapes. Which belong at the Shape Warehouse?



X



X



In this lesson you learned
how to identify a cube by
examining its attributes.