1 Warm-up: Solid Math

2-min Fluency Warm-up — Solid math in your head.

Faces on 2 cubes: _____

Vertices on 2 pyramids: _____

Faces on a cube + a pyramid: _____

Edges on a cube − edges on a pyramid: _____

2 Real-World Solids

Solids are everywhere! Write which solid each object looks like.

A basketball = _____

A soup can = _____

An ice cream cone = _____

A tissue box = _____

The Great Pyramid in Egypt = _____

3 Compare 2D and 3D

2D and 3D shapes are related! The faces of solids are 2D shapes.

What 2D shape are the faces of a cube?

_____

What 2D shape is the flat face of a cone?

_____

What 2D shapes make a pyramid's faces?

_____

What 2D shape do you see at the ends of a cylinder?

_____

4 Number Talk: Reason About Solids

Number Talk — Explain WITHOUT counting.

A cube and a rectangular prism have the same number of faces, edges, and vertices. Why do you think that is?

My thinking: _____

Which would stack better in a cupboard: cans (cylinders) or balls (spheres)? Explain using faces and curves.

My thinking: _____

5 Word Problem & Shape Hunt

Read carefully. Then create your own!

A grocery store stacks 5 soup cans in a row. Each can has 2 circle faces (top and bottom). How many circle faces are in the whole row?

My thinking: _____

_____ circle faces

Create Your Own — Go on a 3D shape hunt in your house! Find one real object for each solid and write it down.

Cube: _____ Sphere: _____

Cylinder: _____ Cone or Pyramid: _____