

Fluency

1 Sort into 2D and 3D shapes.

Square, Cube, Circle, Sphere, Triangle pyramid, rectangle, cylinder

2D Shapes

3D Shapes

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2 Complete the facts.

- A cube has _____ more edges than a square-based pyramid.
- A cuboid has the same number of vertices as a _____
- A cone and a cylinder together have _____ faces in total.

Word Problem

3 Maya has a bag of shapes: 2 cubes, 3 cones, 1 sphere, and 4 cylinders. How many shapes in total? How many can roll?

- Total: _____ + _____ + _____ + _____ = _____
- Shapes that can roll: _____



4 Two 3D shapes have 12 faces altogether. One is a cube. What could the other shape be?

The other shape is a _____ because $12 - \text{_____} = \text{_____}$ faces.



Reasoning

5 Investigate! Look around your classroom or home. Find one real object for each 3D shape.

| 3D Shape | Object I found | Where I found it |
|----------|----------------|------------------|
| cuboid | | |
| cylinder | | |
| sphere | | |
| cone | | |