

# Geometric Solids — Bases and Faces Continued

Base Sheet

Activity Sheet

Building on the geometric solids introduction, the child explores the properties of each solid more deeply: counting faces, edges, and vertices, and matching solids to their base shapes.

## What You Need:

- Geometric solids (sphere, cube, cylinder, cone, pyramid)
- Paper for tracing
- Pencil or crayon
- Labels: face, edge, vertex/apex
- Work mat

## Steps:

1. Review the 5 geometric solids by name.
2. 'Today we look more closely at each solid. Let us count FACES.' Start with the cube.
3. Place the cube on paper. Trace one face. 'What shape is this face? A square! How many square faces does a cube have?' Count: 6
4. Cylinder: trace the circular base. 'Two circles and one curved surface that is not a face.'
5. Cone: trace the base. 'One circle and a point at the top — that point is called an APEX.'
6. Pyramid: trace the base (square). Count the triangular faces: 4 sides + 1 base = 5 faces
7. Match each solid to its base shape traced on paper.

## Work Space:

