

Cutting a Cube

PreK

Materials: One large cube for the teacher to use during discussion and small cubes for every student to hold and examine in their groups.

Discussion on the rug: The teacher holds up one large cube. **“A cube is a very interesting object. So, we are going to examine it. What does examine mean? Who does examinations? What do you think are the parts of the cube we can examine?”** The teacher asks questions to have the children think about parts, especially faces and corners, and maybe lines or edges.

In small groups: Each student is holding a cube. The teacher asks the following questions, only going on to the next question if students have success.

“We are going to examine our cube.

- 1. How many flat sides does a cube have?**
- 2. How many corners does a cube have?**
- 3. How many lines or edges does a cube have?”**

At the end of the investigation, have students either discuss or dictate a response to this summary question: **“How can you remember the parts of a cube?”**

