



# What Is Volume?

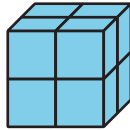
Let's build and compare objects made of cubes.

## Warm-up

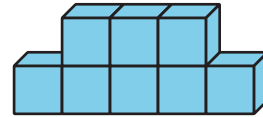
### Which Three Go Together: Objects Made of Cubes

Which 3 go together?

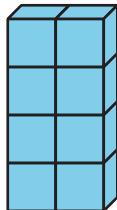
A



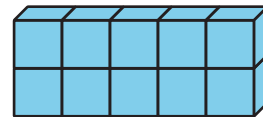
B



C



D

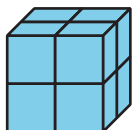


## Activity 1

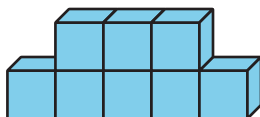
### Build Objects with Cubes

1. Which is bigger? Explain or show your reasoning.

**A**

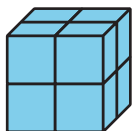


**B**

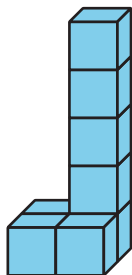


2. Which is bigger? Explain or show your reasoning.

**A**



**B**



3. What does it mean for an object to be “bigger”?

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## Activity 2

### Build and Order

1. Each group member:
  - a. Take a handful of connecting cubes.
  - b. Build an object.
2. Order the objects by volume. Discuss your reasoning with your group.
3. Repeat.
4. Each group member:
  - a. Take 9 connecting cubes.
  - b. Build an object.
5. Order the objects by volume. Discuss your reasoning with your group.

