

4.1

Exploring Cube Structures

YOU WILL NEED

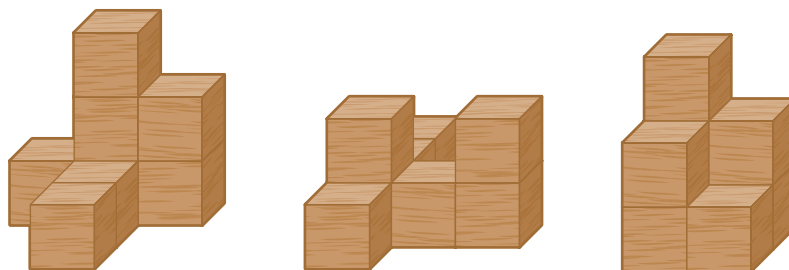
- linking cubes

GOAL

Build non-prism cube structures and determine their surface areas.

Shelby designs mirrored tables in various artistic shapes.

She builds each table using cubes made from plywood, and then attaches mirrors to every exposed surface. These tables are all built using eight plywood cubes.



Build four more eight-cube table designs.

- ?** Of all the possible designs using eight cubes, which one uses the most mirrors and which one uses the fewest mirrors?