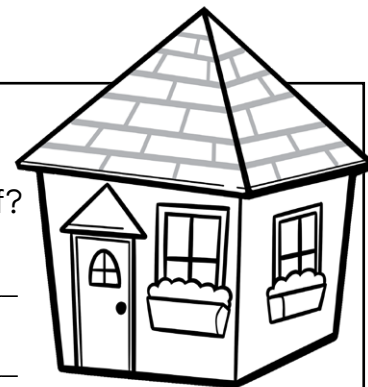


Name: _____

Thinking About Solids



1. On a house, why might a pyramid-shaped roof be better than a flat roof?

2. List two reasons why cereal bowls are not shaped like cones.

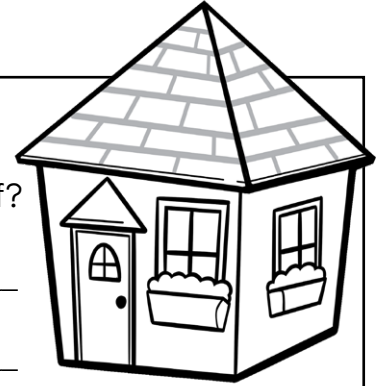
3. If you had some clay, would it be easier to form it into a sphere or a pyramid? Explain.

4. Explain why most sports are played with spherical balls.

5. Is a dollar bill truly shaped like a rectangle or a rectangular prism? Explain.

ANSWER KEY

Thinking About Solids



1. On a house, why might a pyramid-shaped roof be better than a flat roof?

A pyramid-shaped roof would allow water to run off of it more quickly. It can also reduce snow buildup.

2. List two reasons why cereal bowls are not shaped like cones.

If a cereal bowl were cone-shaped, you would not be able to lay it flat on a table while you eat. Also, there would be cereal or milk in the tip of the cone that you wouldn't be able to reach with a spoon.

3. If you had some clay, would it be easier to form it into a sphere or a pyramid? Explain.

It is easier to form clay into a sphere because all you'd have to do is roll it in your hands. You would have to measure and sculpt a pyramid, as well as make sure the faces are flat.

4. Explain why most sports are played with spherical balls.

Spherical balls roll easily in any direction. Also, balls with corners or flat sides might be more difficult to throw or catch.

5. Is a dollar bill truly shaped like a rectangle or a rectangular prism? Explain.

A dollar bill is a rectangular prism. Even though it is relatively flat, it still has a measurable thickness.