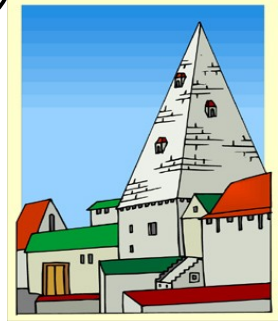


Name: _____

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 h



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? 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. Why might a pyramid-shaped roof on a house 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.

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