

Dear Parents,

Here is what your child is learning in Grade 2, Unit 2 along with some specific ways you can help. Look for additional newsletters for upcoming units.

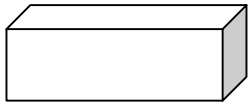
GEOMETRY

Students need to:

- Describe and identify characteristics of plane and solid figures.
- Identify and model symmetry with concrete materials and drawings.
- Identify and model congruence with concrete materials and drawings.

Examples:

1. Given a solid figure such as the one pictured below:



Sample responses:

- Rectangular prism
- Faces – 6; Vertices – 8; Edges – 12

- Identify the figure.
- Identify the number of faces, vertices, and edges.

2. Look at the figure below.



Does the figure have a line of symmetry?

Use what you know about lines of symmetry to explain your answer.

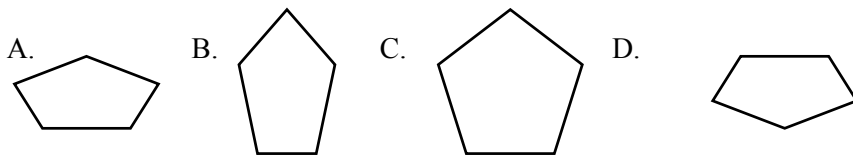
Sample responses:

Yes. I folded the figure vertically through the middle and what was on one side of the fold matched what was on the other.

The fold is a line of symmetry.



3. Circle the figures that are congruent.

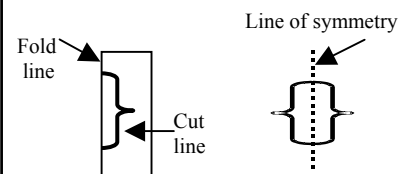


Sample response:

A and D

WAYS PARENTS CAN HELP

- Look for plane (2-dimensional) and solid (3-dimensional) shapes in your home and neighborhood. Identify the shapes and discuss their characteristics (attributes). (e.g. I see a cereal box. It has 6 faces and 8 vertices. It looks like a rectangular prism.)
- Use household items such as toothpicks and marshmallows to make shapes. Talk about the characteristics (attributes) of the shapes.
- Fold a blank piece of paper in half. Draw half of a shape along the fold. Cut along the line you drew. Open the shape. Discuss with your child that the fold line is a line of symmetry (what is on one side of the fold matches what is on the other side.)



- With your child compare plastic lids in the kitchen. Place two lids on top of each other to determine if the two lids are congruent. Congruent figures are the same size and same shape.

For additional activities, visit www.ed.gov/pubs/parents/Math