

Name _____

Solve Problems Involving Geometry

Dear Family,

Your child is learning to solve a variety of problems involving angle measures, lengths, areas, and volumes of two- and three-dimensional figures, including triangles, quadrilaterals, circles, prisms, pyramids, and composite figures.

You can help develop your child's fluency with three-dimensional figures by doing the following activity.

Three Dimensions to Two

Materials: A three-dimensional object (such as a cracker box or salt container), paper, pencil, scissors, tape

Ask your child to cut paper that can be used to completely cover the three-dimensional object with no gaps or overlaps. Challenge him or her to make the paper covering in as few pieces as possible. Then have your child test his or her covering by placing it over the object, folding and taping as necessary.

Observe Your Child

Focus on Mathematical Practices

Look for and make use of structure.

Help your child become proficient with this Mathematical Practice. Have your child explain similarities and differences between coverings for two different three-dimensional objects (for example, the coverings of a rectangular prism and a cylinder).