

Dear Parents,

Here is what your child is learning in Grade 3 Unit 4, along with some specific ways you can help. Look for additional newsletters for upcoming units.

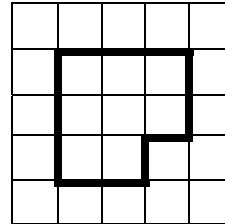
## GEOMETRY

Students need to:

- Identify angles and describe how they compare to right angles.
- Recognize three-dimensional objects from different perspectives.
- Identify and describe symmetry and congruence of geometric figures.
- Describe and represent slides, flips, and turns using pictures and objects.
- Identify, describe, and classify two-and three-dimensional shapes.
- Draw geometric figures using tools.

### Examples:

- Draw a figure that is congruent to the given figure.
  - Use what you know about geometry to explain how you know the figure you drew is congruent to the given figure.



Sample responses:

- Figure drawn is the same size and shape as the given figure.
- The figures are the same size and shape. I counted the squares to check my drawing.

- Jim is looking at a solid figure. Jim sees this shape.

Circle the solid below that Jim could be looking at.



Sample response: b

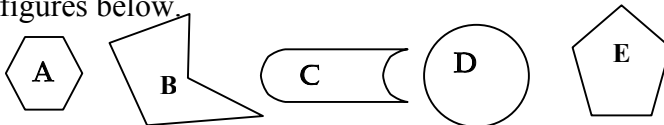
- The figure below is shown in two different positions.



Is the movement of the figure a slide, flip, or turn?

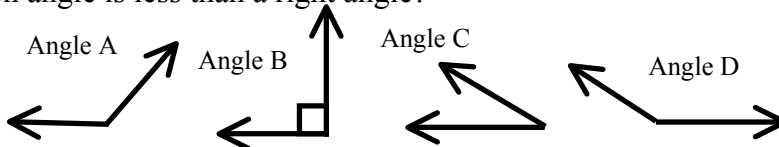
Sample response: flip

- Given the figures below.



- Write the letter of each figure that is a hexagon. *Sample response: a*
- Write the letter of each figure that is a pentagon. *Sample response: b, e*

- Which angle is less than a right angle?



Sample response: Angle C

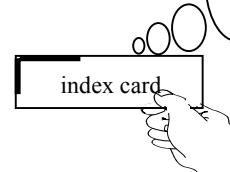
Check the glossary of geometry terms in your child's text resource for an explanation of vocabulary.

## WAYS PARENTS CAN HELP

- Encourage your child to look for objects around the house that have angles greater than, less than, or equal to a right angle. Use the corner of an index card as a right angle measure to compare the angles.

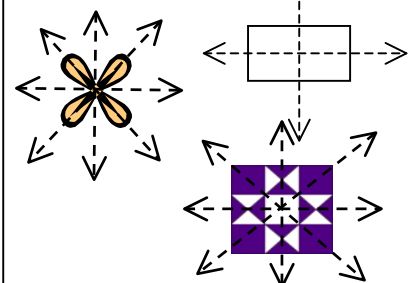


The hands on the clock show an angle that is greater than a right angle.



- Provide paper, scissors, and tape for your child to make three-dimensional shapes. Combine these shapes to make a castle, robot, or other creation.  
Cylinder= 2 circles + 1 rectangle  
Rectangular prism= 6 rectangles  
Pyramid= (4 triangles OR 1 rectangle + 4 triangles OR 1 pentagon + 5 triangles, etc.)
- Encourage your child to locate figures with and without symmetry.

Figures **with** symmetry



Figures **without** symmetry



For additional activities, visit [www.ed.gov/pubs/parents/Math](http://www.ed.gov/pubs/parents/Math)