

Dear Parents,

Here is what your child is learning in Grade 5, Unit 2 along with some specific ways you can help. Look for additional newsletters for upcoming units.

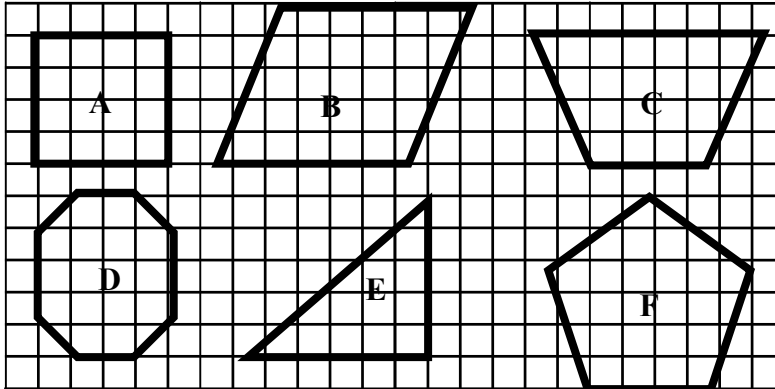
GEOMETRY

Students need to:

- Identify, describe, compare, and classify two- and three- dimensional figures using relevant properties.
- Measure angles and identify their parts.
- Describe relationships among the radius, diameter, center, and circumference of a circle.
- Draw geometric figures using tools and technology.

Examples:

1. Look at the polygons on the grid below.



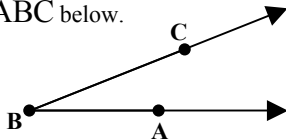
List the letter of each polygon that:

- Has two pairs of parallel sides.
- Has at least one acute angle.
- Can be classified as a parallelogram.

Sample responses:

- A, B, D
- B, C, E
- A, B

2. Look at $\angle ABC$ below.



What is the vertex of $\angle ABC$?

What are the sides of $\angle ABC$?

Use a protractor to find the $m\angle ABC$.

Sample responses:

- Point B
- \overrightarrow{BC} and \overrightarrow{BA}
- $\angle ABC$ is about 26°

3. The diameter of a circular lid is 10 cm. What is the length of the radius of the lid? About how many centimeters is the circumference of the lid? Explain how you found your estimate using words, numbers, or pictures.

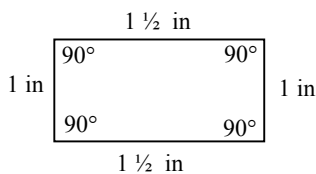
Sample response:

The radius is 5 cm.

The circumference of the lid is between 30 and 32 cm since the circumference of a circle is about 3 times its diameter.

4. Draw a rectangle using a protractor and a ruler. Label the measure of each angle and the length of each side.

Sample response:



WAYS PARENTS CAN HELP

Here are some activities you and your child can do together:

- Collect several household items (boxes, cans, papers, picture frames, etc.). Describe properties, such as rectangular faces, circular bases, etc., of the items. Compare the items and classify (sort) them into categories. Discuss which properties were used to classify the items.
- Use a protractor to measure the angles of plane figures around the house. Draw some angles and measure them. Create a picture using the angles.
- Use a protractor and a ruler to draw polygons. Make a picture or a design from the polygons.
- Use a tape measure or a piece of string to measure the circumference of cans in the cupboard. Measure the diameter of each can. Make a table that shows the measurements. Is the relationship between the circumference and the diameter of each can the same?



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

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