

Dear Parents,

We will begin our next unit of study in math soon. The information below will serve as an overview of the unit as you work to support your child at home. If you have any questions, please feel free to contact me. I appreciate your ongoing support. For additional information or electronic access to this letter, please visit www.wcpss.net/mathhelp.

Sincerely,
Your Child's Teacher

Unit Name: Reasoning with Shapes and Their Attributes

North Carolina Content State Standards:

NC.3.G.1

Reason with two-dimensional shapes and their attributes.

- Investigate, describe, and reason about composing triangles and quadrilaterals and decomposing quadrilaterals.
- Recognize and draw examples and non-examples of types of quadrilaterals including rhombuses, rectangles, squares, parallelograms, and trapezoids.

Math Language:

- Two-dimensional
- Attribute
- Quadrilateral
- Rhombus
- Rectangle
- Square
- Parallelogram
- Trapezoid
- Parallel
- Angle
- Side
- Compose
- Decompose
- Composite

Unit Overview:

The focus of this unit is to help students identify, describe, and reason about the attributes of various quadrilaterals, including parallelograms, rectangles, rhombi, trapezoids, and squares.

They will be able to recognize and draw examples and non-examples of quadrilaterals. Students will practice using precise vocabulary to describe and recognize shapes. Students will also learn how to compose and decompose quadrilaterals and triangles.

Skills/Strategies:

- Reason with two-dimensional shapes and their attributes
- Investigate, describe, and reason about composing triangles and quadrilaterals and decomposing quadrilaterals
- Recognize and draw examples and non-examples of quadrilaterals, including rhombi /rhombuses, rectangles, squares, parallelograms, and trapezoids
- Compose and decompose quadrilaterals using triangles and quadrilaterals

Video Support:

Video support can be found on The WCPSS Academics YouTube Channel.

- <http://tinyurl.com/WCPSSAcademicsYouTube>
- [ES 3 Math Recognize shape attributes](#)
- [ES 3 Math IDing trapezoids and parallelograms](#)
- ES 3 Math Sort quadrilaterals by their attributes

Additional Resources:

- [NCDPI Additional Resources](#)

Questions to Ask When Helping Your Child with Math Homework

Keep in mind that homework in elementary schools is designed as practice. If your child is having problems, please let the classroom teacher know. When helping your child with his/her math homework, you don't have to know all the answers! Instead, we encourage you to ask probing questions so your child can work through the challenges independently. Some examples may include the following:

- What is the problem you're working on?
- What do the directions say?
- What do you already know that can help you solve the problem?
- What have you done so far and where are you stuck?
- Where can we find help in your notes?
- Are there manipulatives, pictures, or models that would help?
- Can you explain what you did in class today?
- Did your teacher work examples that you could use?
- Can you go onto another problem & come back to this one later?
- Can you mark this problem so you can ask the teacher for an explanation tomorrow?