

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 on-going support.

Sincerely,

Your Child's Teacher

Unit Name: Partitioning Shapes
Common Core State Standards: 1.G.3 Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.
Essential Vocabulary: <ul style="list-style-type: none">• Equal• Fourth Of• Fourths• Half Of• Halves• Partition• Quarter Of• Quarters• Shares
Unit Overview: <p>First Graders begin to partition regions into equal shares using a context (e.g., cookies, pies, pizza). This is a foundational building block of fractions, which will be extended in future grades. Through ample experiences with multiple representations, students use the words, halves, fourths, and quarters, and the phrases half of, fourth of, and quarter of to describe their thinking and solutions. Working with the “the whole”, students understand that “the whole” is composed of two halves, or four fourths or four quarters.</p>
Strategies/Skills: <p>In this unit, first grade students will:</p> <ul style="list-style-type: none">• Partition rectangles and circles into two and four equal shares.• Describe the whole shape and shares using appropriate first grade vocabulary.• Understand that decomposing shapes into equal shares creates smaller shares.
Video Support: <p>Video support can be found on The YouTube Channel.</p> <ul style="list-style-type: none">• Partitioning Shapes (Halves)• Partitioning Shapes (Fourths)
Additional Resources: <p>If you have limited/no internet access, please contact your child's teacher for hard copies of the resources listed in this document.</p> <ul style="list-style-type: none">• NCDPI Additional Resources• https://www.khanacademy.org/math/early-math/cc-early-math-geometry-topic/cc-early-math-composing-shapes/e/compose-shapes

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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.

- 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?