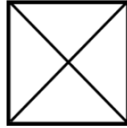




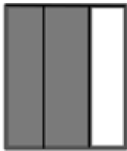
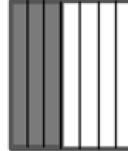




Building Understanding of Fractions

Check out the "Parent Quick Smarts" video for this unit by using this link: <https://youtu.be/Vz9ZqeYlmzo>

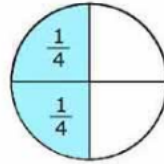
<p align="center">Overarching Student Learning Goals</p> <p align="center">In this unit, your child will work to build an understanding of the following:</p>	<p align="center">Resources/Tasks to support your child at home.</p>
<p>Identify fair shares of a whole in different ways. Example: <i>Joe, Tara, and Louie each baked a cake for a birthday party. They decided to cut each of their cakes into fourths to fairly share their cake with friends. Which person did not cut their cake into fair shares or fourths?</i></p> <div style="display: flex; justify-content: space-around; text-align: center;"> <div data-bbox="373 467 499 626"> <p>Joe</p>  </div> <div data-bbox="520 467 646 626"> <p>Tara</p>  </div> <div data-bbox="667 467 793 626"> <p>Louie</p>  </div> </div> <p><i>*In order to be a fair share or fraction, the pieces need to cover the same amount of space which means they can be different shapes. The answer to the above problem is Louie did not cut his shape fairly into fourths. Both Tara and Joe did because their pieces cover the same amount of space, even though Tara's pieces are not all of the same</i></p>	<ul style="list-style-type: none"> Challenge your child to find all the ways to cut/fold a square into fourths. Discuss fair shares when cutting food to be equally shared by your family. Then describe what fractional amount it was cut into including: halves, thirds, fourths, sixths, eighths. LearnZillion: https://goo.gl/wK1GGf Represent Fractions in Different Ways LearnZillion: https://goo.gl/rK2Eya Write Unit Fractions using Shapes
<p>Identify what the numerator and denominator represent with area models of fractions.</p> <div style="display: flex; justify-content: space-around; text-align: center;"> <div data-bbox="432 911 520 1032"> <p>$\frac{3}{6}$</p>  </div> <div data-bbox="562 911 651 1032"> <p>$\frac{4}{6}$</p>  </div> </div> <p>The area model represents fractions by showing a region (usually circles, squares, or rectangles) partitioned into equal parts, with some of the parts shaded to indicate they are being considered.</p> <p>Example: <i>Each model shown has been shaded to represent a fraction. Which model shows $\frac{3}{4}$ shaded?</i></p> <div style="display: flex; justify-content: space-around; text-align: center;"> <div data-bbox="520 1292 646 1442">  </div> <div data-bbox="667 1292 793 1442">  </div> <div data-bbox="814 1292 940 1442">  </div> <div data-bbox="961 1292 1087 1442">  </div> </div>	<ul style="list-style-type: none"> When eating pizza, discuss the amount eaten by each member of the family. Discuss the importance of the pieces being equal sizes in order to determine the amount each person ate. Then represent the amount with a drawn model. Khan Academy: https://goo.gl/QCX7a9 More Than One Equal Section

For more information on the learning goals and your child's progress, please contact your child's teacher.

Understanding that fractions are repeated unit fractions using area models

Example of Repeated Unit fractions:

When looking at this model, you have two $\frac{1}{4}$ sections shaded. This model shows $\frac{1}{4}$ and $\frac{1}{4}$, or $\frac{2}{4}$

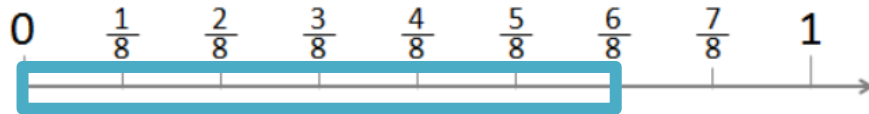


- LearnZillion: [Non-unit Fractions](#)
- LearnZillion: <https://goo.gl/94kRzN> Express Whole Numbers as Fractions
- Ask your child to share a cake with 6 people equally. Ask: How many parts of the cake will 3 people eat? ($\frac{3}{6}$ of the cake)

Represent Fractions on a Number Line.

Example:

Tiffany decided to represent the distance it takes her to walk to school in miles. How many miles does Tiffany walk to school?



- Khan Academy: [Fractions on a Number Line](#)
- LearnZillion: <https://goo.gl/o7v7on> Plotting Unit Fractions on a Number Line
- Have your child show different fractions on a number line (Ex: $\frac{3}{4}$, $\frac{1}{6}$, $\frac{4}{8}$)

Represent whole numbers and fractions greater than a whole on a number line.

Example:

What fraction is represented by the length marked on the number line shown?



- Determine the distance it took to drive from your home to the grocery store in miles. Then have your child draw the distance using a number line.
- Ask your child to model 3 feet of rope on a number line. If every third foot you needed to tie a knot, how could you show that on your number line?
- LearnZillion: <https://goo.gl/3BEmiQ> Fractions Greater than One a Number Line