## **Equivalency and Comparing Fractions**

Check out the "Parent Quick Smarts" video for this unit by using this link: <u>https://goo.gl/cUjFpZ</u>

<b>Overarching Student Learning Goals</b> In this unit, your child will work to build an understanding of the following:	Resources/Tasks to support your child at home.
Students can generate equivalent fractions for a given fraction using models, reasoning, or computations.Students can model a fraction and then break it up to find equivalent fractions.Students can model a fraction like $\frac{1}{2}$ and then draw a line to show how it is equivalent to $\frac{2}{4}$ .Image: transmission of transmission o	<ul> <li>Give your child a fraction like <sup>1</sup>/<sub>3</sub> or <sup>3</sup>/<sub>8</sub> and ask them to list five fractions equivalent to it.</li> <li>Find a fraction equivalent to <sup>2</sup>/<sub>5</sub> that has a denominator of 20.</li> <li>Learnzillion: <u>https://bit.ly/2P9QzMJ</u> Identify Equivalent Fractions Using Area Models</li> <li>Khan Academy: Intro to Equivalent Fractions <u>https://goo.gl/A2CQfT</u></li> <li>Play Equivalent Fraction Bingo: <u>https://bit.ly/1jngID9</u></li> </ul>
Students can prove two fractions are equivalent using models, reasoning, or computations. Students can continue to make equivalent fractions and prove their work using models, reasoning, or computations. Step 1 Make a model to represent $\frac{2}{6}$ . The rectangle is divided into 6 equal parts, with 2 parts shaded. Step 2 Divide the rectangle from Step 1 in half. The rectangle is now divided into 12 equal parts, with 4 parts shaded. The model shows the fraction $\frac{4}{12}$ So, $\frac{2}{6}$ and $\frac{4}{12}$ are equivalent. The model shows the fraction $\frac{4}{12}$ So, $\frac{2}{6}$ and $\frac{4}{12}$ are equivalent.	<ul> <li>Give your child a fraction and have them name an equivalent fraction and then prove it with a model or number line.</li> <li>LearnZillion: <u>https://bit.ly/2tL4orv</u> Make Equivalent Fractions Using Multiplication</li> <li>Play an equivalent fraction matching game: <u>https://goo.gl/cZVfhf</u></li> <li>Prove equivalent fractions using different models: <u>http://illuminations.nctm.org/Activity.aspx?id=3510</u></li> </ul>

## Grade 4

