

Grade 2 Mathematics Unit Preview

Quarter 3: Number Relationships and Computation (Fractions)

Objectives: (Your student will be able to)

- **Read, write, and represent fractions as parts of a single region for halves, thirds, fourths, sixths, and eighths.** For example, $\frac{3}{4}$ of this shape is shaded.



- **Read, write, and represent fractions as parts of a set for halves, thirds, fourths, sixths, and eighths.** For example, $\frac{1}{4}$ of these shapes are circles.



- **Match equivalent (equal) fractions for one whole.** For example, $\frac{8}{8}$ is equal to $\frac{1}{1}$ (1 whole).
- **Match equivalent (equal) fractions for one half.** For example, $\frac{2}{4}$ is equivalent to $\frac{1}{2}$.

Vocabulary: (Words your student will need to understand)

<ul style="list-style-type: none"> • Denominator: The number below the bar in a fraction. It tells the total number of equal parts or groups into which the whole or group has been divided. $\frac{\quad}{\text{denominator} \rightarrow 4} \quad \frac{3}{4}$ 	<ul style="list-style-type: none"> • Numerator: The number above the bar in a fraction. It tells how many equal parts of the whole or group are being considered. $\text{numerator} \rightarrow \frac{3}{4}$
<ul style="list-style-type: none"> • Equivalent Fractions: Two or more fractions that name the same amount. 	<ul style="list-style-type: none"> • Whole: An undivided unit or set.
<ul style="list-style-type: none"> • Halves: A unit or set divided into two equal parts. 	<ul style="list-style-type: none"> • Thirds: A unit or set divided into three equal parts.
<ul style="list-style-type: none"> • Fourths: A unit or set divided into four equal parts. 	<ul style="list-style-type: none"> • Sixths: A unit or set divided into six equal parts.
<ul style="list-style-type: none"> • Eighths: A unit or set divided into eight equal parts. 	

Activities to do with your student (in addition to homework, optional):

- Cook a simple recipe that involves using measuring cups or spoons of different sizes.
- Cut fruits, vegetables, or other snacks into equal parts and eat the fractional parts.
- Fold rectangular strips of paper into equal parts and cut to make fractions.
- Look at sets of objects (socks, shoes, toys) and name fractional parts.
- Use an egg carton to show parts of a set. Fill some of the cups with objects and describe the fractional part that is filled or empty. The carton can be cut to make sets of different sizes.
- Look and discuss different ways to name equal parts of a group or whole –half of a bag of 8 socks can be called $\frac{4}{8}$ or $\frac{2}{4}$ or $\frac{1}{2}$.
- Practice addition and subtraction facts.