
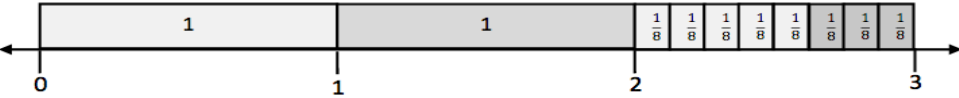


## Adding and Subtracting Fractions with like denominators

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

<p align="center"><b>Overarching Student Learning Goals</b></p> <p align="center">In this unit, your child will work to build an understanding of the following:</p>	<p align="center"><b>Resources/Tasks to support your child at home.</b></p>
<p><b>Decompose a fraction into a sum of fractions with the same denominator.</b></p> <p>Examples: <math>\frac{4}{7} = \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}</math>                      <math>2\frac{1}{3} = 1 + 1 + \frac{1}{3}</math></p> <p>How many <math>\frac{1}{6}</math> sized pieces are there in <math>3\frac{5}{6}</math>?</p>	<ul style="list-style-type: none"> <li>Find fractions in magazines or recipes and have your child decompose them as many different ways as they can. <i>For example: <math>1\frac{3}{4}</math> can be broken down to <math>\frac{4}{4} + \frac{3}{4}</math> or <math>\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{3}{4}</math></i></li> <li>LearnZillion: Add Fractions by Joining Parts <a href="http://bit.ly/2AhB8NL">http://bit.ly/2AhB8NL</a></li> <li>LearnZillion: Decompose Fractions into Unit Fractions <a href="http://bit.ly/2pYWMjF">http://bit.ly/2pYWMjF</a></li> </ul>
<p><b>Use models to add and subtract the same denominational fractions.</b></p> <p><math>\frac{3}{8} + \frac{2}{8} = \frac{5}{8}</math>      Three-eighths joined with two-eighths is equal to five-eighths.</p>  <p>Example: What is the value of <math>\frac{9}{10} - \frac{4}{10}</math>?</p> <p>Maya and Micah ran parts of a race. Maya ran <math>1\frac{5}{8}</math> miles and Micah ran <math>1\frac{3}{8}</math> miles. How far did Maya and Micah run altogether?</p>  <p><b>OR</b> <math>1\frac{5}{8}</math> miles is the same as <math>\frac{13}{8}</math> miles and <math>1\frac{3}{8}</math> miles is the same as <math>\frac{11}{8}</math> miles, so <math>\frac{13}{8} + \frac{11}{8} = \frac{24}{8}</math> miles or 3 miles.</p>	<ul style="list-style-type: none"> <li>LearnZillion: Add Mixed Numbers Using an Area Model <a href="http://bit.ly/2yMNQSM">http://bit.ly/2yMNQSM</a></li> <li>LearnZillion: Add Fractions by Joining Parts <a href="http://bit.ly/2AhB8NL">http://bit.ly/2AhB8NL</a></li> <li>LearnZillion: Add and Subtract Fractions with Like Denominators <a href="http://bit.ly/2J1RqNv">http://bit.ly/2J1RqNv</a></li> <li>Practice adding fractions with like denominators with an interactive number line: <a href="http://www.visualfractions.com/AddEasy/addlines.html">http://www.visualfractions.com/AddEasy/addlines.html</a></li> <li>Play Fruit Splat Fraction Addition: <a href="https://goo.gl/F7FWzB">https://goo.gl/F7FWzB</a></li> <li>Math Man is a “Pac-man” style game. Practice adding and subtracting fractions with like denominators: <a href="https://goo.gl/Hgsuap">https://goo.gl/Hgsuap</a></li> </ul>

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

**Solve word problems involving the addition or subtraction of fractions.**

Examples:

Lee reads for  $\frac{3}{4}$  hour in the morning and  $\frac{2}{4}$  hour in the afternoon. How much longer does Lee read in the morning than in the afternoon?

A recipe calls for  $2\frac{2}{4}$  cups of raisins, but Julie only has a  $\frac{1}{4}$ -cup measuring cup. How many  $\frac{1}{4}$  cups does Julie need to measure out  $2\frac{2}{4}$  cups of raisins?

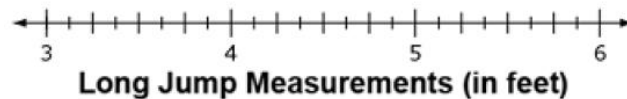
- Get cooking! Involve your child in helping with following a recipe using fractions. Before they combine dry ingredients, such as three-fourths cup of flour and one-fourth cup of sugar, ask them to think about how many total cups they will have of dry ingredients.
- Khan Academy Practice Addition and Subtraction Word Problems (like denominators) - <https://goo.gl/pkgArS>

**Use data involving fractional measurements to create line plots and solve problems.**

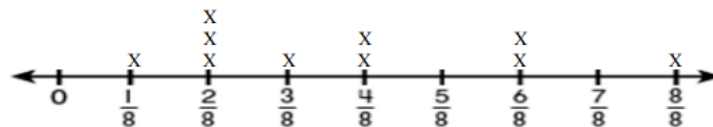
Example:

Long jump measurements are given. Display the data on the line plot.

Long Jump Measurements (in feet)
$4\frac{1}{4}$
$4\frac{1}{2}$
4
$4\frac{1}{4}$
$3\frac{3}{4}$
$3\frac{3}{4}$



The line plot below displays the lengths of different pieces of string. If you put all of the pieces of string together end to end, what would be the total length?



- Get a can of mixed nuts. Have your child measure various nuts to the nearest  $\frac{1}{8}$  and then create a line plot with the data.
- IXL “Create and Interpret Line Plots with Fractions” – <https://goo.gl/v1juEq>
- LearnZillion: Create a Line Plot With Fractions of a Unit <http://bit.ly/2QVCBPpa>
- LearnZillion: Solve Problems by Interpreting Data on a Line Plot <http://bit.ly/2J3Fg6l>