

## SOAR Summary Fractions

	<b>Grade 3 Tier I Intervention (Classroom Instruction)</b> <i>Tier II Grade 4 &amp; Tier III Grade 5</i>	<b>Grade 4 Tier I Intervention (Classroom Instruction)</b> <i>Tier II Grade 5</i>	<b>Grade 5 Tier I Intervention (Classroom Instruction)</b>
Understands Structure	<ul style="list-style-type: none"> <li>Explains the meaning of the numerator and the denominator.</li> <li>Compares fractions using reasoning about numerators and denominators.</li> <li>Recognizes and generates equivalent fractions.</li> </ul>	<ul style="list-style-type: none"> <li>Adds and subtracts fractions with like denominators by counting, adding, or subtracting the numerators.</li> <li>Recognizes and solves situations where multiplication and/or repeated addition can be used because there is a whole number of equal-sized fractional groups (e.g., 3 groups of <math>\frac{1}{2}</math>).</li> </ul>	<ul style="list-style-type: none"> <li>Adds and subtracts fractions with unlike denominators by reasoning about magnitude or by finding a common denominator prior to adding or subtracting fractions.</li> <li>Determines common denominators prior to adding or subtracting.</li> <li>Solves multiplication problems involving one or two fractional factors.</li> <li>Solves division problems involving a unit fraction and a whole number.</li> </ul>
Models Mathematics	<ul style="list-style-type: none"> <li>Names unit and non-unit fractions from regional and linear models.</li> <li>Creates accurate area/regional models and linear models.</li> <li>Writes fractions accurately.</li> <li>Compares fractions using the &lt;, &gt;, and = symbols.</li> </ul>	<ul style="list-style-type: none"> <li>Represents and determines a sum/difference for situations involving adding or subtracting with like denominators.</li> <li>Represents and determines a product for multiplication situations involving one fractional factor accurately.</li> </ul>	<ul style="list-style-type: none"> <li>Represents addition/subtraction problems involving unlike denominators by creating models with common denominators.</li> <li>Represents a portion of a whole with set and linear models.</li> <li>Represents a portion of a whole and a portion of a portion with regional/area and linear models.</li> <li>Represents division involving one unit fraction.</li> </ul>
Provides Explanations	<ul style="list-style-type: none"> <li>Explains the meaning of the numerator and denominator.</li> <li>Explains how to compare fractions with like denominators or numerators.</li> </ul>	<ul style="list-style-type: none"> <li>States and explains why fractional pieces need to be the same size when adding and subtracting fractions.</li> <li>Explains why the product of a whole number and a fraction is less than the whole number.</li> </ul>	<ul style="list-style-type: none"> <li>Explains why fractional pieces need to be the same size when adding and subtracting fractions.</li> <li>Explains why taking a portion of a portion yields a product less than either fraction.</li> <li>Explains division as how many times the divisor can “fit into” the dividend OR as splitting a fraction into equal groups based on the dividend.</li> </ul>