

**Home School Partners**  
**Math Tips, Tricks, and Mental Calculations – Week 2:**  
**QUICK REFERENCE: Converting Decimals, Fractions, and Percents**

<p><b>FRACTION TO DECIMAL:</b></p> <ol style="list-style-type: none"> <li>1. Set up SHORT division problem (numerator inside, denominator outside).</li> <li>2. Divide.</li> </ol>	<p><b>DECIMAL TO FRACTION:</b></p> <ol style="list-style-type: none"> <li>1. Make fraction with decimal as numerator, 1 as denominator.</li> <li>2. Move numerator decimal → enough times to create “whole number” (“integer”).</li> <li>3. Move denominator decimal over <i>same number of times</i>.</li> <li>4. Write new fraction; reduce.</li> </ol>	<p><b>PERCENT TO DECIMAL:</b></p> <ol style="list-style-type: none"> <li>1. Move decimal twice ←.</li> <li>2. No decimal? Put one to right of last digit.</li> <li>3. Put “0” in any empty spots.</li> </ol>
<p><b>FRACTION TO PERCENT:</b></p> <ol style="list-style-type: none"> <li>1. Convert to decimal (↑).</li> <li>2. Move decimal twice →.</li> <li>3. Put “0” in any empty spots.</li> </ol>	<p><b>DECIMAL TO PERCENT:</b></p> <ol style="list-style-type: none"> <li>1. Move decimal twice →.</li> <li>2. Put “0” in any empty spots.</li> </ol>	<p><b>PERCENT TO FRACTION:</b></p> <ol style="list-style-type: none"> <li>1. Convert % to decimal (↑).</li> <li>2. Convert decimal to fraction (↑).</li> </ol>