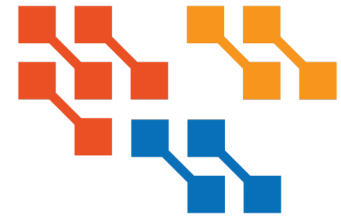


FRACTION BASICS:

Converting Fractions and Decimals



Fractions and decimals both represent parts of wholes. You can convert between fractions and decimals. Look at the examples below to see how. Think about place value charts to help you!

Converting Fractions to Decimals	Converting Decimals to Fractions												
<p>Convert $\frac{1}{10}$ to a decimal.</p> <p>$\frac{1}{10}$ is 1 out of 10, or one tenth:</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr> <td>ones</td> <td>tenshs</td> </tr> <tr> <td>0</td> <td>. 1</td> </tr> </table> $\frac{1}{10} = 0.1$	ones	tenshs	0	. 1	<p>Convert 0.8 to a fraction.</p> <p>0.8 is the same as eight tenths:</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr> <td>ones</td> <td>tenshs</td> </tr> <tr> <td>0</td> <td>. 8</td> </tr> </table> $0.8 = \frac{8}{10}$	ones	tenshs	0	. 8				
ones	tenshs												
0	. 1												
ones	tenshs												
0	. 8												
<p>Convert $\frac{53}{100}$ to a decimal.</p> <p>$\frac{53}{100}$ is 53 out of 100, or fty-three hundredths:</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr> <td>ones</td> <td>tenshs</td> <td>hundredths</td> </tr> <tr> <td>0</td> <td>. 5</td> <td>3</td> </tr> </table> $\frac{53}{100} = 0.53$	ones	tenshs	hundredths	0	. 5	3	<p>Convert 0.72 to a fraction.</p> <p>0.72 is the same as seventy-two hundredths:</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr> <td>ones</td> <td>tenshs</td> <td>hundredths</td> </tr> <tr> <td>0</td> <td>. 7</td> <td>2</td> </tr> </table> $0.72 = \frac{72}{100}$	ones	tenshs	hundredths	0	. 7	2
ones	tenshs	hundredths											
0	. 5	3											
ones	tenshs	hundredths											
0	. 7	2											

Write each fraction as a decimal.

- | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|
| $\frac{5}{10} =$ _____ | $\frac{63}{100} =$ _____ | $\frac{92}{100} =$ _____ | $\frac{4}{10} =$ _____ |
| $\frac{45}{100} =$ _____ | $\frac{40}{100} =$ _____ | $\frac{7}{10} =$ _____ | $\frac{3}{10} =$ _____ |
| $\frac{2}{10} =$ _____ | $\frac{99}{100} =$ _____ | $\frac{6}{10} =$ _____ | $\frac{81}{100} =$ _____ |

Write each decimal as a fraction.

- | | | | |
|--------------|--------------|--------------|--------------|
| 0.4 = _____ | 0.11 = _____ | 0.9 = _____ | 0.67 = _____ |
| 0.91 = _____ | 0.2 = _____ | 0.55 = _____ | 0.23 = _____ |
| 0.3 = _____ | 0.52 = _____ | 0.19 = _____ | 0.08 = _____ |