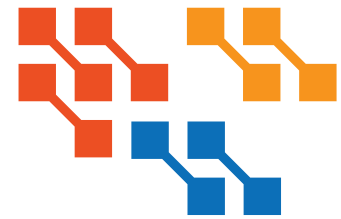


FRACTION BASICS:

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

Write each fraction as a decimal.

$\frac{5}{10} = \underline{0.5}$

$\frac{63}{100} = \underline{0.63}$

$\frac{92}{100} = \underline{0.92}$

$\frac{4}{10} = \underline{0.4}$

$\frac{45}{100} = \underline{0.45}$

$\frac{40}{100} = \underline{0.40}$

$\frac{7}{10} = \underline{0.7}$

$\frac{3}{10} = \underline{0.3}$

$\frac{2}{10} = \underline{0.2}$

$\frac{99}{100} = \underline{0.99}$

$\frac{6}{10} = \underline{0.6}$

$\frac{81}{100} = \underline{0.81}$

Write each decimal as a fraction.

$0.4 = \underline{\frac{4}{10}}$

$0.11 = \underline{\frac{11}{100}}$

$0.9 = \underline{\frac{9}{10}}$

$0.67 = \underline{\frac{67}{100}}$

$0.91 = \underline{\frac{91}{100}}$

$0.2 = \underline{\frac{2}{10}}$

$0.55 = \underline{\frac{55}{100}}$

$0.23 = \underline{\frac{23}{100}}$

$0.3 = \underline{\frac{3}{10}}$

$0.52 = \underline{\frac{52}{100}}$

$0.19 = \underline{\frac{19}{100}}$

$0.08 = \underline{\frac{8}{100}}$