

Converting Fractions, Decimals and Percents

percent to Fraction	percent to Decimal
Fraction to Decimal	Fraction to percent
Decimal to percent	Decimal to Fraction

Fraction	Decimal	Percent
1	1.0	100%
$\frac{1}{10}$	0.1	10%
$\frac{1}{100}$	0.01	1%
$\frac{1}{4}$	.25	25%
$\frac{1}{2}$	.5	50%
$\frac{3}{4}$	0.75	75%
$\frac{1}{5}$	.2	20%
$\frac{2}{5}$	0.4	40%
$\frac{3}{5}$	.6	60%
$\frac{4}{5}$	.8	80%
$\frac{1}{3}$	$0.\overline{3}$	$33.\overline{3}\%$
$\frac{2}{3}$	$0.\overline{6}$	$66.\overline{6}\%$
$\frac{1}{8}$	0.125	12.5%
$\frac{3}{8}$	0.375	37.5%
$\frac{5}{8}$	0.625	62.5%
$\frac{7}{8}$	.875	87.5%
$1\frac{1}{4}$	1.25	125%
$1\frac{1}{2}$	1.5	150%
$1\frac{3}{4}$	1.75	175%

<p>1. Rewrite the % over 100</p> <p>2. Simplify</p>	<p>42%</p> $\frac{42 \div 2}{100 \div 2} = \frac{21}{50}$	<p>42%</p> $\frac{42}{100} = .42$	<p>1. Remove the % sign.</p> <p>2. Move decimal 2 places to the left.</p>
<p>1. Divide the numerator by the denominator.</p> <p>d/n</p>	<p>$\frac{1}{8}$</p> $8 \overline{) 1.000} \begin{array}{r} .125 \\ -8 \\ \hline 20 \\ -16 \\ \hline 40 \\ -40 \\ \hline 0 \end{array}$	<p>$\frac{1}{8}$</p> $\frac{1}{8} \rightarrow \frac{125}{1000} = 12.5\%$	<p>1. Convert the fraction to a decimal.</p> <p>2. Move the decimal 2 places to the right.</p> <p>3. Add the % sign.</p>
<p>1. Move decimal 2 places to the right.</p> <p>2. Add the % sign.</p>	<p>75</p> $75 \rightarrow 75\%$	<p>75</p> $\frac{75 \div 25}{100 \div 25} = \frac{3}{4}$ $.8 = \frac{8 \div 2}{10 \div 2} = \frac{4}{5}$	<p>1. Write the decimal over 100 if it has an integer in the hundredths place; over 10 if only in the tenths place.</p> <p>2. Simplify</p>