

Decimals to Fractions

Change 0.7 and 0.07 to a fractions

Units (1s)	Tenths ($\frac{1}{10}$ s)	Hundredth ($\frac{1}{100}$ s)	As a Fraction
0	7		$\rightarrow \frac{7}{10}$
0	0	7	$\rightarrow \frac{7}{100}$

Decimals to Percentages

Change 0.7 and 0.07 to percentages

As a decimal	As a fraction	Make it out of 100	As a percentage
0.7	$\frac{7}{10}$	$\rightarrow \frac{7}{10} = \frac{70}{100}$	$\rightarrow 70\%$
0.07	$\frac{7}{100}$	\rightarrow It's already out of 100	$\rightarrow 7\%$

NOTE: See the example "equivalent fractions" to learn more.

Percentages to Decimals

Change 81%, 8% and 80% to decimals

As a percentage	Make it out of 100	As a decimal
81%	$\rightarrow \frac{81}{100}$	$\rightarrow 0.81$
8%	$\rightarrow \frac{8}{100}$	$\rightarrow 0.08$
80%	$\rightarrow \frac{80}{100}$	$\rightarrow 0.80$

NOTE: You do not have to include the 0 in green because it's at the end of the decimal

Fractions to Decimals

Change $\frac{13}{100}$, $\frac{3}{10}$ and $\frac{1}{2}$ to decimals

As a fraction	Make it out of 100 or out of 10	As a decimal
$\frac{13}{100}$	\rightarrow It's already out of 100	0.13
$\frac{3}{10}$	\rightarrow It's already out of 10	0.3
$\frac{1}{2}$	$\rightarrow \frac{1}{2} = \frac{50}{100}$	0.50

Examples by Cazoom Maths

