

# CONVERSION CHART

Follow the steps to convert your fraction to a decimal

Then multiply your decimal by 100 to get a percentage.

eg  $0.2 \times 100 = 20\%$     eg  $0.15 \times 100 = 15\%$     eg  $0.125 \times 100 = 12.5\%$

## FRACTION

Can you convert the fraction to have a denominator of 10 or 100?

eg  $\frac{1}{5} = \frac{2}{10} = 0.2$     eg  $\frac{3}{20} = \frac{15}{100} = 0.15$

Tenths column

Hundredths column

If not, we can divide numerator by the denominator

eg  $\frac{1}{8} \rightarrow 8 \overline{)0.125} = 0.125$     so  $\frac{1}{8} = 0.125$

Give yourself some zero's to work with

Take a look at the place value of the number farthest to the right. This will become your denominator

eg  $0.6$     eg  $0.15$     eg  $0.462$

Tenths column

Hundredths column

Thousandths column

Write all the numbers to the right of the decimal point for your numerator

eg  $\frac{6}{10} = \frac{3}{5}$     eg  $\frac{15}{100} = \frac{3}{20}$     eg  $\frac{462}{1000} = \frac{231}{500}$

Always simplify

Write your percentage as a fraction

Per-cent just means per (out of) century (100) out of 100...

eg  $6\% = \frac{6}{100} = \frac{3}{50}$     eg  $15\% = \frac{15}{100} = \frac{3}{20}$     eg  $50\% = \frac{50}{100} = \frac{1}{2}$

Always simplify

Multiply by 100 (and add % sign)

eg  $0.3 \times 100 = 30\%$     eg  $0.75 \times 100 = 75\%$     eg  $0.165 \times 100 = 16.5\%$

Don't forget the % sign

Divide by 100 (and remove % sign)

eg  $32\% \div 100 = 0.32$     eg  $45\% \div 100 = 0.45$     eg  $7\% \div 100 = 0.07$

## PERCENTAGE

## DECIMAL

Always check...

"does my answer look reasonable?"

## Place Value

Hundreds	Tens	Ones	Decimal Point	Tenths	Hundredths	Thousandths
100	10	1	.	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$

eg  $0.359 = \frac{3}{10} + \frac{5}{100} + \frac{9}{1000}$

which is the same as  $\frac{359}{1000}$