

# FRACTIONS → DECIMALS → PERCENTAGES

## PERCENTAGES → FRACTIONS

1% means 1 out of 100 ie  $\frac{1}{100}$

Any percentage simply converts to a fraction by putting over 100

$$23\% \rightarrow \frac{23}{100} \quad 25\% \rightarrow \frac{25}{100} \rightarrow \frac{1}{4} \quad 5\% \rightarrow \frac{5}{100} \rightarrow \frac{1}{20}$$

## PERCENTAGES → DECIMALS

If 1% =  $\frac{1}{100}$  this means  $1 \div 100 = 0.01$

Simply divide percentage by **100**

$$47\% \rightarrow 47 \div 100 \rightarrow 0.47 \quad 8\% \rightarrow 0.08$$

## DECIMALS → PERCENTAGES

**X** by **100**

$$0.28 \rightarrow 28\% \quad 0.4 \rightarrow 40\% \quad 0.125 \rightarrow 12.5\%$$

## DECIMALS → FRACTIONS

Put over 10, 100 or 1000 according to how many decimal places

$$0.\underline{3} \rightarrow \frac{3}{10}$$

$$0.\underline{28} \rightarrow \frac{28}{100} \rightarrow \frac{7}{25}$$

$$0.375 \rightarrow \frac{375}{1000} = \frac{3}{8}$$

don't forget to cancel down

## FRACTIONS → DECIMALS → PERCENTAGES

$\frac{1}{10}$  means  $1 \div 10 \rightarrow 0.1$       $\frac{1}{100}$  means  $1 \div 100 \rightarrow 0.01$

**ALWAYS GET FRACTION OVER 10 OR 100**

$$\frac{1}{5} \xrightarrow{\times 2} \frac{2}{10} \rightarrow 0.2 \rightarrow 20\%$$

$$\frac{1}{20} \xrightarrow{\times 5} \frac{5}{100} \rightarrow 0.05 \rightarrow 5\%$$

## FRACTION → PERCENTAGE CALCULATOR

put fraction into calculator **x 100**

$$\frac{24}{32} \rightarrow \text{CALC} \quad 24 \div 32 \times 100 = 75\%$$