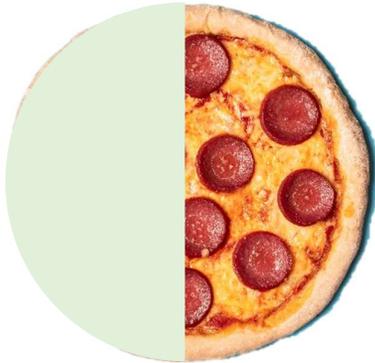# RELATIONSHIPS BETWEEN DECIMALS, FRACTIONS AND PERCENTAGES

Decimals, Fractions and Percentages are related to one another. They are just different ways of showing the same value. Below is an example using a pizza.
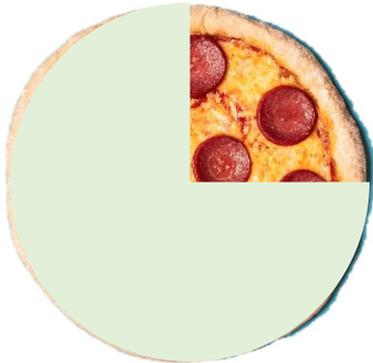
A Half can be written...

... as a fraction: $\frac{1}{2}$

... as a decimal: 0.5

... as a percentage: 50%

A Quarter can be written...

... as a fraction: $\frac{1}{4}$

... as a decimal: 0.25

... as a percentage: 25%

Look at the table below for commonly used values in Percent, Decimal and Fraction form:

Percent	Decimal	Fraction
1%	0.01	$\dfrac{1}{100}$
5%	0.05	$\dfrac{1}{20}$
10%	0.1	$\dfrac{1}{10}$
20%	0.2	$\dfrac{1}{5}$
25%	0.25	$\dfrac{1}{4}$
50%	0.5	$\dfrac{1}{2}$
75%	0.75	$\dfrac{3}{4}$
80%	0.8	$\dfrac{4}{5}$
90%	0.9	$\dfrac{9}{10}$
100%	1.0	1