YEAR 7 - PLACE VALUE AND PROPORTION

FDP equivalence

What do I need to be able to do?

By the end of this unit you should be able

.Convert fluently between fractions, decimals & percentages

Keywords

Fraction: how many parts of a whole we have

Decimal: a number with a decimal point used to separate ones, tenths, hundreaths etc.

Percentage: a proportion of a whole represented as a number between 0 and 100

Place value: the numerical value that a digit has decided by its position in the number

Placeholder: a number that occupies a position to give value

Interval: a range between two numbers

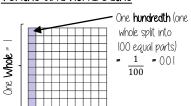
Tenth: one whole split into 10 equal parts

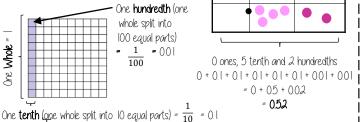
Hundredth: one whole split into 100 equal parts

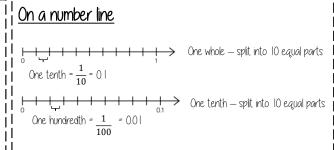
Sector: a part of a circle between two radius (often referred to as looking like a piece of pie)

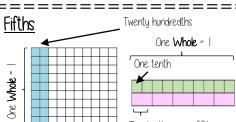
Recurring: a decimal that repeats in a given pattern

Tenths and hundredths



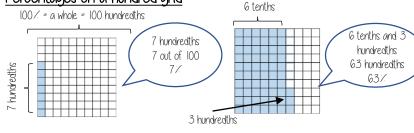


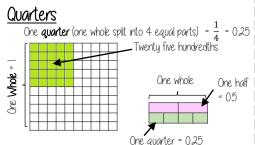


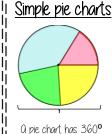


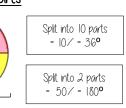


Percentages on a hundred grid



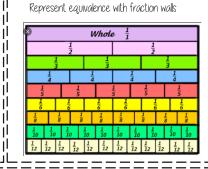






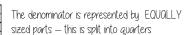
Split into 5 parts

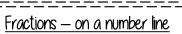
= 20% = 76°

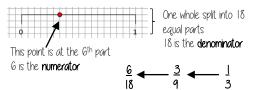


Equivalent fractions

Fractions — on a diagram



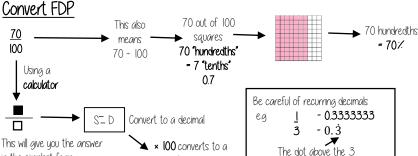




in the simplest form

are out of 360

so all FDP calculations



percentage