Year 10

DEVELOPING NUMBER.

What do I need to be able to do:

By the end of this unit, you will:

- Write numbers in standard form and as ordinary numbers
- Use the four operations for integers and decimals.
- Rounding to significant figures and decimal places
- Calculating in standard form

I Keywords:

Standard (index) Form: A system of writing very big or very small numbers

Base: The number that gets multiplied by a power

Power: The exponent - or the number that tells you how many times

to use the number in the multiplication

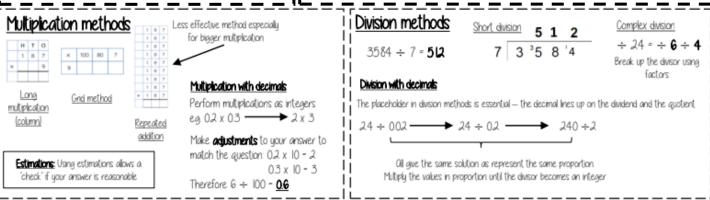
Integer: A whole number that is positive or negative

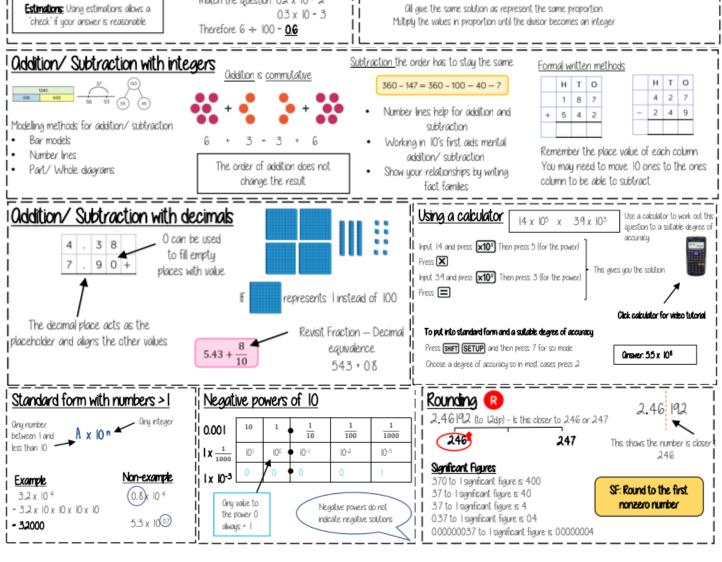
Factor: Integers that multiply together to get another number

Multiple: Found my multiplying any number by positive integers

Square Root: A number that can be multiplied by itself to give a

square number





year 10 PROPORTIONAL REASONING.

What do I need to be able to do:

By the end of this unit, you will:

- Interpret scales using maps
- Convert between different currencies
- Use and Interpret conversion
- Calculate Speed, Distance & Time

Keywords:

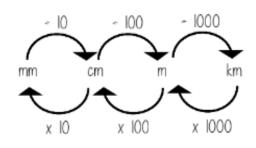
Convert: change

Scale Factor: the multiple that increases/decreases a shape in size

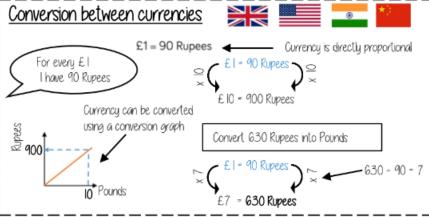
Currency: the system of money used in a particular country Scale: the comparison of something drawn to its actual scale

Substitute: putting numbers where letters are - numbers into a formula

Interpret maps with scale factors



Ratios need to be in the 1 cm : 250 m same units



Conversion Graphs Compare two variables This is always a straight line because as one variable increases so does the other at the same rate miles To make conversions between units you need to find the point to compare — then find the associated point by using your graph Labelling of both axes Using a ruler helps for accuracy is vital Showing your conversion lines help as a "check" for solutions

