#### Maths – Application of Number

### Multiplying & Dividing

# Year 7

#### What do I need to be able to do?

#### By the end of this unit you should be able to:

- Understand and use factors
- Understand and use multiples
- Multiply/ Divide integers and decimals by powers
- Use formal methods to multiplu
- Use formal methods to divide
- Understand and use order of operations
- Solve area problems
- Solve problems using the mean

## heuwords

**Orray** an arrangement of items to represent concepts in rows or columns

Multiples: found by multiplying any number by positive integers

Factor: integers that multiply together to get another number.

Mil: prefix meaning one thousandth

Centi: prefix meaning one hundredth

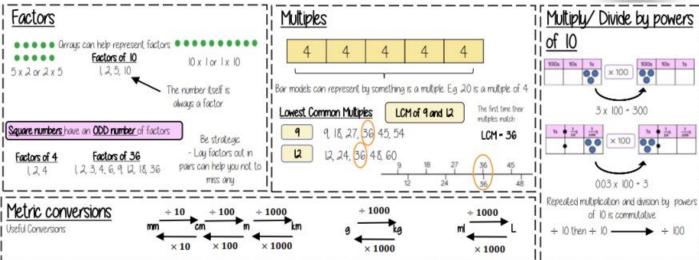
Kilo: prefix meaning multiplu by 1000

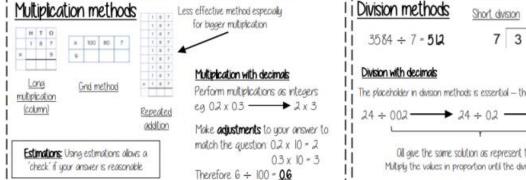
Quotient: the result of a division

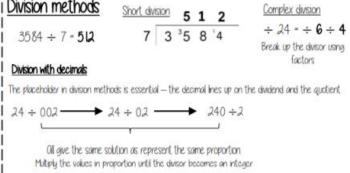
Dividend: the number being divided

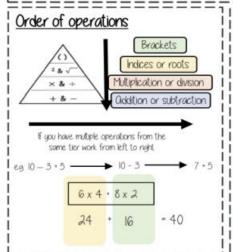
Divisor: the number we divide bu

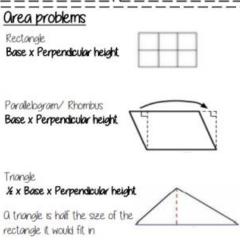


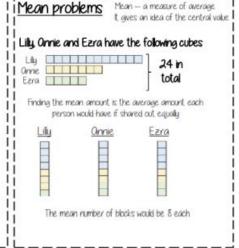














#### Fractions and Percentages

# Year 7

### What do I need to be able to do?

#### By the end of this unit you should be able to:

- Find a fraction of a given amount
- Use a given fraction to find the whole or other fractions
- Find the percentage of an amount using mental methods
- Find the percentage of a given amount using a calculator

## Keywords

Fraction: how many parts of a whole we have

Equivalent: of equal value

Whole: a number with no fractional or decimal part.

Percentage: parts per 100 (uses the / symbol)

**Place Value:** the value of a digit depending on its place in a number. In our decimal number system, each place is 10 times bigger than the place to its right.

Convert: change into an equivalent representation, often fraction to decimal to a percentage cycle.



