

Maths revisions sheet

Area and Perimeter

Area = Length x Width

Perimeter = L+W+L+W

Volume = Length x width x height

(Add all sides together)

Mean/Average = total of items divided by number of items

Range = Difference between the highest and lowest

Mode = Most Common number

Median = Middle Number

Measurements

1000 m = 1 km

100 cm = 1m

1000mm = 1m

1cm = 10mm

To Convert A Fraction into a Decimal- use in probability scales

To change a fraction to a decimal, you divide the top number by the bottom number (divide the numerator by the denominator).

$$5/10 = 5 \div 10 = 0.5$$

To Find a Percentage

$\div 100 \times \% \text{ required}$

12% of 300

$$300 \div 100 = 3$$

$$3 \times 12 = 36$$

36 is 12% of 300

Rounding Off

47.4577865

Becomes

47.46

To add fractions

Step 1: Make sure the bottom numbers (the denominators) are the same.

Step 2: Add the top numbers (the numerators), put that answer over the denominator.

How to check a calculation

Reverse the calculation by doing the opposite e.g

To check $15 \times 0.9 = 13.5$ you can do $13.5 \div 0.9 = 15$

To check $14 + 9 = 23$ reverse it $23 - 9 = 14$

x becomes \div

+ becomes -

To convert a decimal to a percentage

Multiply by 100

$$0.5 \times 100 = 50\%$$

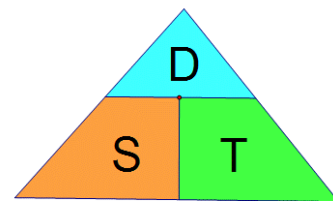
Line of best fit

The 'line of best fit' is a line that goes

roughly through the middle of all the scatter points on a graph

Speed time distance triangle

Distance = Speed x Time



$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

$$\text{Time} = \frac{\text{Distance}}{\text{Speed}}$$

Label all graphs. A **main title** and labels for **Y axis** and **X axis**