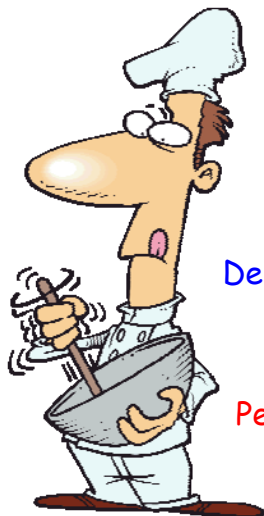
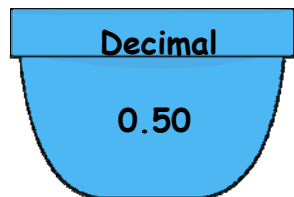


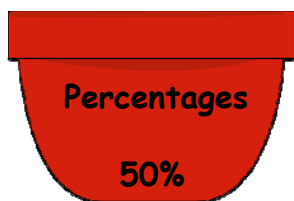
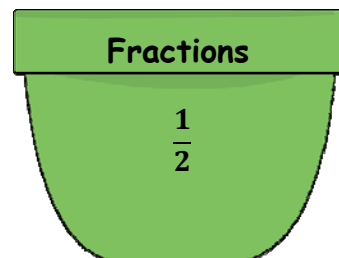
Conversion between **Decimals**, **Fractions**, & **Percentages**



Fractions

Decimals

Percentages



**Decimals**

**Fractions**

To make a decimal a whole number use this key: Always simplify

- Decimals that are in the tenths (0.2) move the decimal one place to the right and place over 10.  
Ex.  $\frac{2}{10} = \frac{1}{5}$
- Decimals that are in the hundredths (0.35) move the decimal two places to the right and place over 100. Ex.  $\frac{35}{100} = \frac{7}{20}$
- Decimals that are in the thousandths (0.175) move three places to the right and place over 1,000  
Ex.  $\frac{175}{1,000} = \frac{7}{40}$

**Fractions**

**Percentages**

To convert from a fraction to percent you have to divide the numerator by the denominator, then multiply by 100, and finally you add a percent sign (%).

Ex.  $\frac{6}{12}$

- Divide 6 by 12  
 $6 \div 12 = 0.5$
- Multiply the decimal 0.5 by 100  
 $0.5 \times 100 = 50$
- Add percent sign  
50%

**Percentages**

**Decimals**

To convert from percentages to decimals place the percent over 100 and divide the numerator by the denominator.

Ex. 75%,  $\frac{75}{100}$ ,

$75 \div 100 = 0.75$

**Decimals**

**Percentages**

Convert decimals to percentages by multiplying by 100.

Ex.  $0.25 \times 100 = 25\%$