Maths Block 3

Percent = out of 100!

Converting Fractions / Decimals/Percentages

Divide numerator by denominator $(3 \div 4 = 0.75)$

Fraction

Decimal

0.75

Multiply by 100 $(0.75 \times 100 = 75\%)$

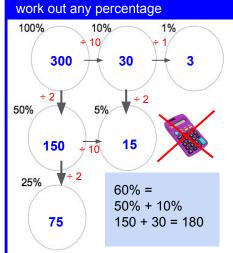
Divide by 100

 $(75 \div 100 = 0.75)$

Percent

75%

Percentage Bubbles help you to



75 is numerator: use place value of last digit as denominator 75/100 Simplify

Percentage Increase / Decrease

Increase 140 by 12%

Find 12% of 140

12% Of 140 is 21 is 21

Add it to the original value

140+21=161

Decrease 140 by 12%

3/4

Find 12% of 140

12% Of 140

Subtract from original value

140-21=119

Express one value as a percentage of another

What is 35 as a percentage of 900?

Divide the first value by the total value 35 ÷900

900

Multiply by 100 (per cent)

 $\overline{900}$ X 100 = 3.9% (to 1 decimal place)

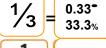
What is 12 as a percentage of 120?

$$\frac{12}{120} = \frac{1}{10} \times 100 = 10\%$$
(simplify)



Learn these **Fractions** Decimals & %

$$\frac{3}{4} = \frac{0.75}{75\%}$$









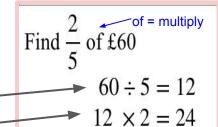
Percent - Calculator

Convert your percentage to a decimal to get a multiplier

12% of 630 $12 \div 100 = 0.12$ Multiply by this decimal $630 \times 0.12 = 75.6$

Fraction of an Amount

Divide by the denominator Multiply by the numerator



Decimal Place Value 100,000 10.000