

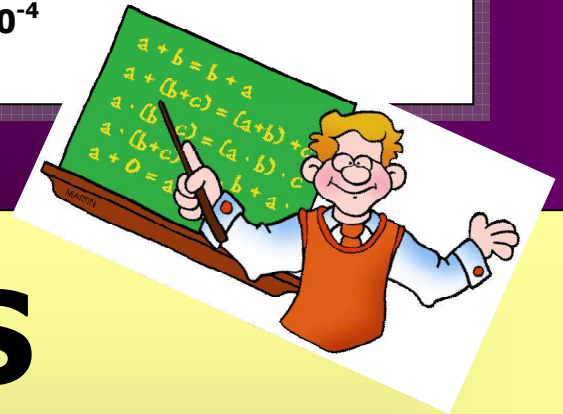
SCIENTIFIC NOTATION

SCIENTIFIC NOTATION (or STANDARD FORM) consists of:

a number between 1 and 10 multiplied by 10 to a power

e.g. $24\,500\,000 = 2.45 \times 10^7$

$$0.000988 = 9.88 \times 10^{-4}$$



EQUATIONS

STEPS:

- **BALANCE** the equation by performing the **same** operation to each side e.g.
 - **ADD , SUBTRACT, MULTIPLY or DIVIDE**
- Write the letter *x* in italics, *x* , so that it is different from the multiplication sign
- Only use one = per line and place the = beneath each other

WORKED EXAMPLE

$$\text{Solve } 2x + 3 = 10$$

	$2x + 3 = 10$
Subtract 3 from both sides	$2x = 7$
Divide both sides by 2	$x = 3.5$