



Equations

We expect pupils to solve simple equations by:

- 'Rearranging'
- Performing the same operation to each side of the equation
- Doing "Undo" operations e.g
 undo + with -, undo - with +
 undo x with ÷, undo ÷ with x
- Encouraging statements like:
 "Move the +5 over becomes -5"
 "Move times 3 becomes divide 3"
- We prefer:
 The letter x to be written differently from a multiplication sign
 One equals sign per line
 Equals signs beneath each other
 We discourage bad form such as $3 \times 4 = 12 \div 2 = 6 \times 3 = 18$.

WORKED EXAMPLES:

EXAMPLE 1

$$2x + 3 = 9 - 3$$

take away 3

$$2x = 6 \div 2$$

divide by 2 both sides

$$x = 3$$

EXAMPLE 2

$$3x + 6 = 2x - 18 - 6$$

-6 and -2x

$$\text{sides } 3x - 2x = -18 - 6$$

$$x = -24$$

