

Rearranging Equations Worksheet

This worksheet is for estimating. It should help you revise simple estimation. Before attempting this worksheet you must be able to Use simple rounding to estimate answers to calculations.

Question 1 - Rearranging equations

- Make x the subject of the following equations

$$b + x = v$$

$$7x + 6w = 4w^2$$

$$3x^2 + y^2 = 5y$$

$$\frac{x^2}{15} = w - v$$

$$\frac{v}{5x} = \frac{y}{w}$$

$$v - xy = 2$$

$$5x^2 + 9y = 9w$$

$$7x + 3w^2 = 8v$$

$$6x + 5w^2 = 4w$$

$$\frac{x^2 - y}{v} = w$$

$$\frac{x}{v + w} = y$$

$$3v + yx = w^2$$

Question 2 - Involving brackets

- Make x the subject of the following equations

$$b(x - v) = y$$

$$3(v - x) = w$$

$$b(x - w) = v$$

$$w(9 + x) = y$$

$$5(v + x) = b$$

$$7(x - a) = w$$

$$9(b + x) = v$$

$$8(x + y) = b$$