

Solving equations

An equation tells us that two expressions are equal, like a formula, as such we apply similar rules to equations when solving them. We always keep equations “balanced” therefore keeping the two expressions either side of the “=” equal.

<p>E.g. Solve:</p> $2(5x - 4) = 12 \quad \leftarrow \text{Divide by 2}$ $5x - 4 = 6 \quad \leftarrow \text{Add 4}$ $5x = 10 \quad \leftarrow \text{Divide by 5}$ $x = 2$	<p>E.g. Solve:</p> $\frac{3a + 4}{2} = 11 \quad \leftarrow \text{Multiply by 2}$ $3a + 4 = 22 \quad \leftarrow \text{Subtract 4}$ $3a = 18 \quad \leftarrow \text{Divide by 3}$ $a = 6$
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Video: <https://youtu.be/30S7WxKcPwg> (Solving equations)