An electrician can find an unknown current using I equals V divided by R.

But what if it's the resistance that is unknown?

Change the subject of any equation by using the balance method.

If three x plus y equals four , change the subject to x by isolating it, so x is on its own on the left of the equation.

First subtract y.

Do the same on both sides.

Now there's a new equation, 3x equals 4 subtract y.

But the x still isn't on its own.

To have just the X on the left, divide 3x by 3 and do the same on both sides.

Done!

Now x is the subject of the equation.

X equals 4 subtract y divided by 3.

That's the balance method.

Remember with the balance method, whatever is done to one side must be done to the other.