- **Solutions:**

The linear equations usually have one solution (and of course **only one solution**). They are named **compatible equations.**

But sometimes, they have **no solution**. They are named **non-compatible equations.**

And you can find too **identities** (and not equations), because what we have on the left-hand side of the equal sign is no different to what we have on the right-hand side. This means that the variable can take any value. An identity has **infinite solutions.**

CAN YOU INVESTIGATE?

ONLY ONE SOLUTION	$3x + 6 = 0$
NO SOLUTION	$3x + 6 = 3x - 7$
INFINITE SOLUTIONS. IDENTITIE	$3x + 6 = 3(x + 2)$