- **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	$3x + 6 = 3(x + 2)$