Digit addition

Here's a maths trick to try:

1. Think of one of the numbers from 1 to 9.
2. Add 9 to your number.
3. Add the digits of your answer together. What is your new number?

What do you notice?  
  
Try the trick again with a new starting number. What do you notice now?

E.g. start with 2.

2 + 9 = 11 using the number 11 it is made up of two digits – both . So you add the 2 digits together and you get to 2.

Solution – *Every time you add 9 to your number (when your number is between 1 and 9) and then you add the two digits together, you get back to the number you started with.*