

A clever trick or some clever maths?

Take any 3 digit number that is not palindromic.
Reverse the digits.

179 For example: 234 and 432. 971

Take the smaller one away from the bigger.

If your answer has only 2 digits then place a zero at the front.

862 For example 34 becomes 034.

Reverse the digits and add the two numbers.

For example $034 + 430$ 268

What is your answer? Try some more examples.

Can you explain why this is happening?