

White Challenge

Complete the problem solving tasks by finding 10 more and 10 less.

Complete the table. The first one is done for you.

	Find 10 less		Find 10 less	Starting number	Find 10 more		Find 10 more	
253	←	263	←	273	→	283	→	293
	←		←	385	→		→	
	←		←	404	→		→	
	←		←	697	→		→	
	←	501	←		→		→	
	←		←		→		→	736

Emily has made the number:

3 0 5

Write down the number that is 10 less than 305.

Now write down the number that is 10 less than this new number.

Explain what is happening to the number each time.

What is the 10th answer in this pattern?

$$536 - 10 = 526$$

$$526 - 10 = 516$$

$$516 - 10 = 506$$

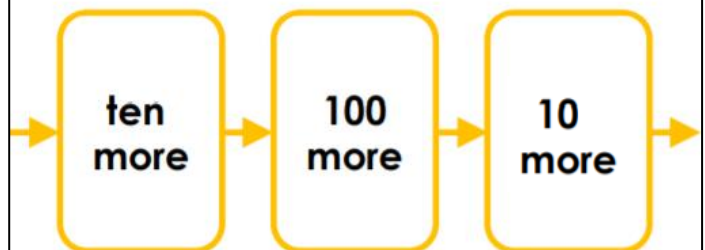
How do you know?

True or False?

When I find 10 more than a 3 digit number, it will always only be the tens digit that changes.

Prove it with examples.

5a. Sarah put a number into this function machine and got a result of 471.



What number did she put in?