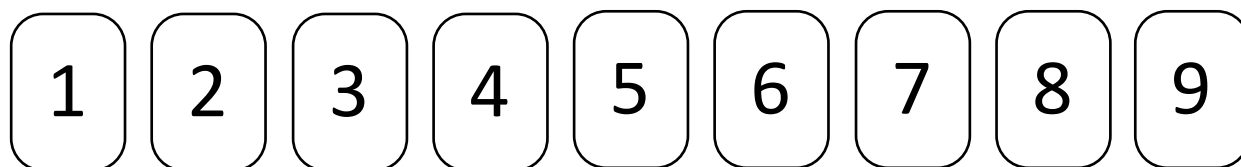


Hole-y subtractions



1. Choose a card greater than 1. Create a 3-digit number with a 'hole' in the tens place.
2. Find the digit card that is one less than the first one you chose.
3. Create a 3-digit number using three of this digit, e.g. 444.
4. Write a subtraction with the 'hole-y' number first, and work out the answer.
5. Repeat this four times. REMEMBER the first digit card you choose must be one more than the second one you take.

○	
○	5
○	505
○	1 less is 4
○	
○	505 - 444 =
○	
○	

Can you see a pattern in the answers?
Can you explain it?

6. Write three more subtractions like this. Before working these out, can you predict the answers?

Can you explain how you know what the first digit of the answer will be?

7. Pick a digit card greater than 2. Create a 3-digit number with a 'hole' in the tens place.
8. Find the digit card that is two less than the first one you chose.
9. Create a 3-digit number using three of this digit.
10. Write a subtraction with the 'hole-y' number first, and work out the answer.

○	
○	5
○	505
○	2 less is 3
○	
○	505 - 333 =
○	

11. Discuss what pattern you expect in the answer.
12. Try more like this.

Challenge

Can you explain the patterns in the answers?
Suppose the first number started with a digit that was 3 more than the digit in the second number?