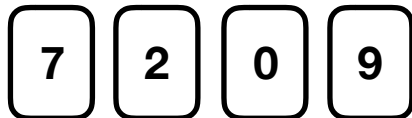*Try it!*

1. Oder these numbers from the smallest to the largest.

2498, 2475, 4278, 2041, 2409

- Add another 4 digit number at one end of the list.

- Now, place a 4 digit number in the middle of the list.

2. Aisha chose these number cards.

| 7 | 2 | 0 | 9 |

How many different 4 digit numbers can she make?

Now, order them largest to smallest

3. What is the same and what is different about these numbers:

9759, 3795, 1759, 5795, 1795

Apply it!

1. Roman is thinking of a number. His number is greater than 3500 but smaller than 4000. He digits in his number add up to 23 and the difference between the largest and the smallest digit is 6.

What number could Roman be thinking of?

2. Josh has arranged five 4-digit numbers. The smallest number is 2450 and the largest is 2650. All the other numbers have digit totals of 20.
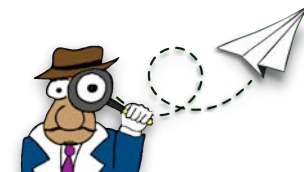
What could Josh's numbers be?

3. Luca had **two sets of 0-9 digit** cards. He wrote down five rules to make five four digit numbers.

- Smallest even number
- Smallest odd number
- Largest multiple of 3
- Smallest multiple of 5
- Number closest to 6000

Arrange the digits so that they are as close to the target numbers as possible.

Fly with it!

1. Fill in the missing spaces so that the list of numbers below is in order, smallest to largest.

3	1	__	7
3	__	3	__
3	2	1	
3	__	3	9
3	__		1
3	2	__	4

2. Luca wrote down seven 4 digit numbers.

| 4566 | 6645 | 4656 | 5646 | 6456 | 6654 | 6645 |

- If he ordered these numbers correctly, smallest to largest, what would be the fourth and sixth numbers in his list?
- Explain how you ordered them.
- What was it about the numbers that made it difficult?

3. Aisha said "when you are trying to order a list of numbers, you have to look at the highest place value column first".
Is Aisha right? Prove it!