**Activity 1**

* **Student ID numbers at UNI are six consecutive digits.**
	+ **How many total ID numbers are possible?**
	+ **How many of those consist of all the same digit?**
	+ **How many of those consist of exactly five consecutive “same” digits (such as 122222)?**

**Activity 2**



**Activity 3**

Calculate the value of:

1. P(7,3)
2. P(10,5)
3. P(6,5)
4. P(6,6)
5. P(n,3)
6. P(n,n-3)

**Activity 4**

We are going to elect a “student council” from the members of today’s class.

* In how many ways can we pick a President, Vice President, and Secretary?
* In how many ways can we do this PLUS pick a Treasurer and “Sergeant at Arms?