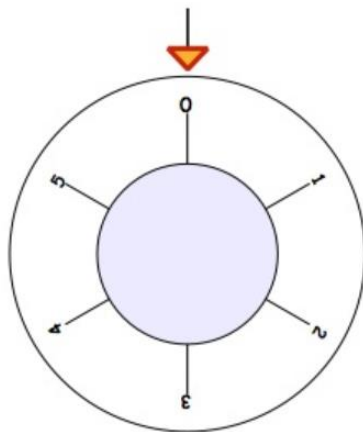


How Safe Are You?

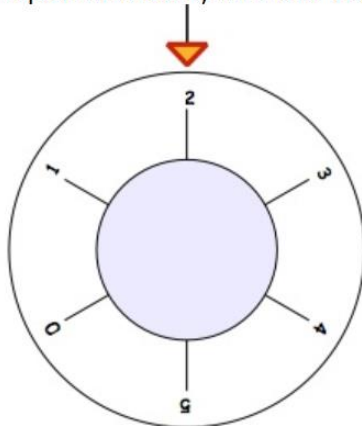
We're going to look at opening safes!
Many have dials on them, and you turn the dials - as you see in these two pictures - to open them.



So I'll show you a simple dial first with just the numbers 0 – 5 on it.

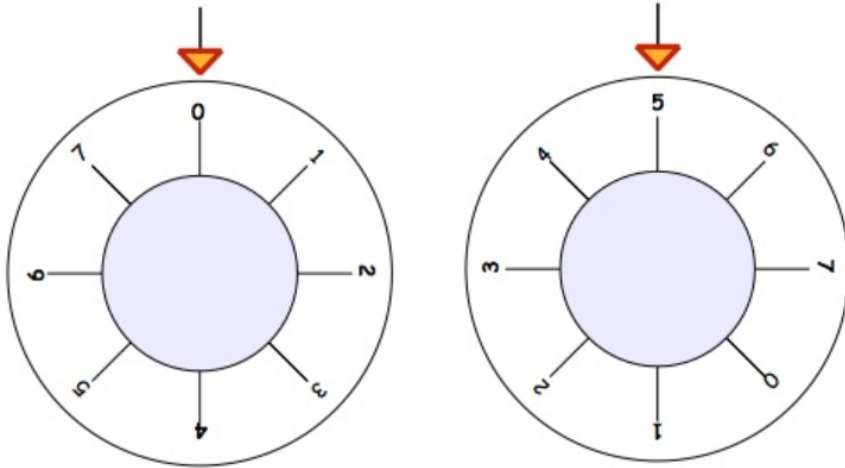


To open the safe, the dial has to have 2 next to the arrow, like this;

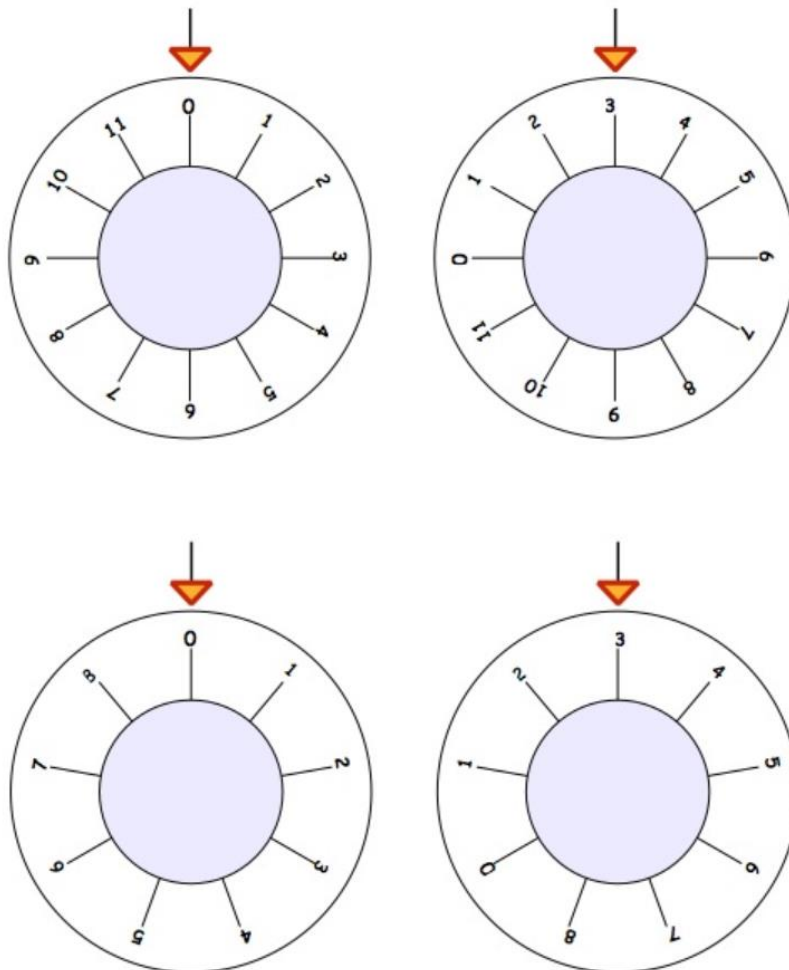


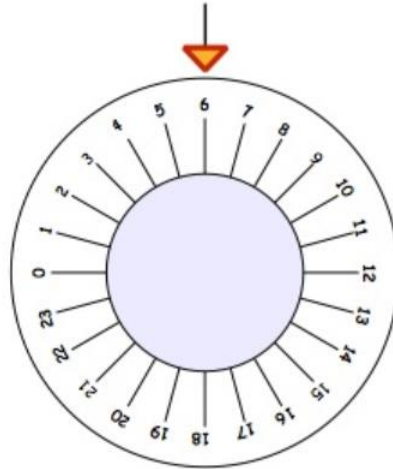
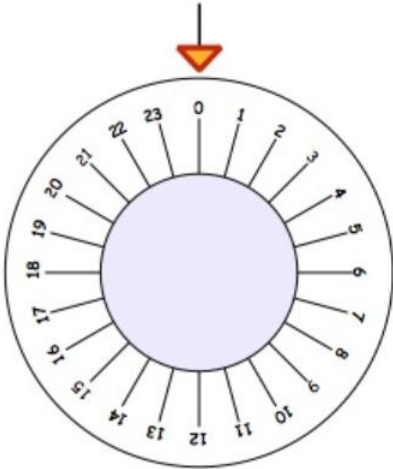
The question for you is, how much turning of the dial did we have to do to get the 2 at the top?

The next safe we get to has a different dial, it has the numbers 0 – 7. How much turning to get the number 5 at the top? [Shown in the second picture.]



The number that you have to get at the top is often called the "combination" of the safe. These three different safes all start with 0 [zero] at the top. You have to find the amount of turning to get to the combination, shown in each second picture:





Now have a go at these different safes. Remember they would all start with 0 [zero] at the top, so, how much turning to get the required combinations shown below?

