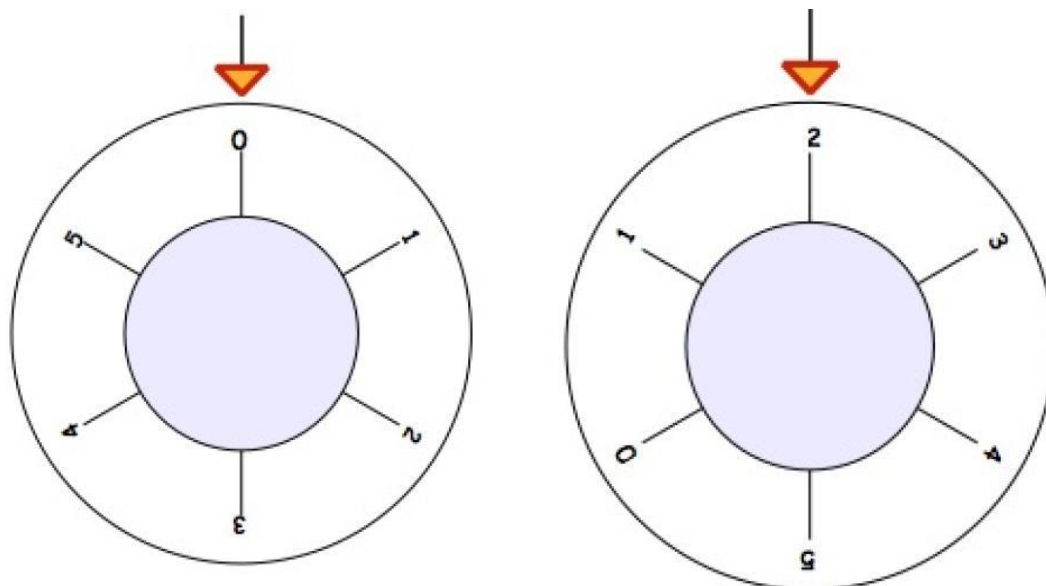




How Safe Are You?

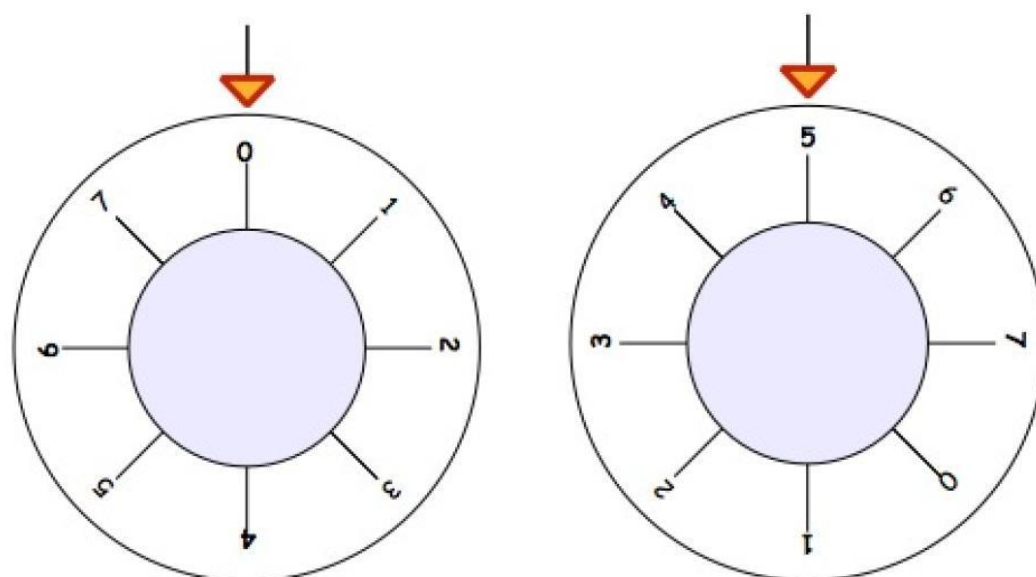
We're going to look at opening safes! Many have dials on them, and you turn the dials to open them.

Here's a simple dial with just the numbers 0 - 5 on it. To open the safe, the dial has to be turned so that the number 2 is next to the arrow.



How much was the dial turned to get the 2 at the top?

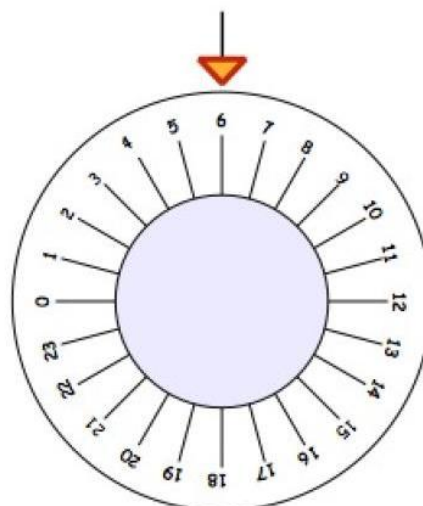
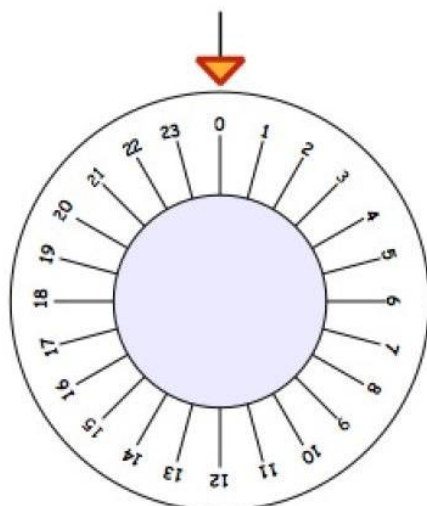
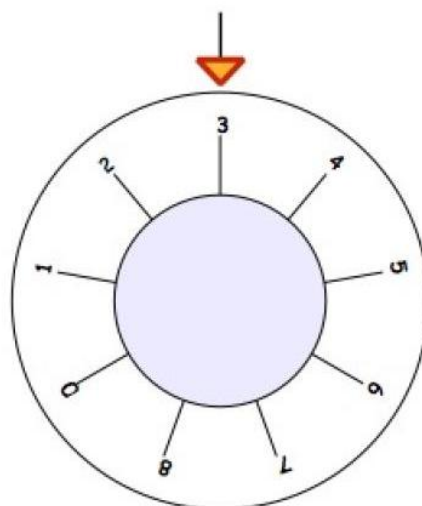
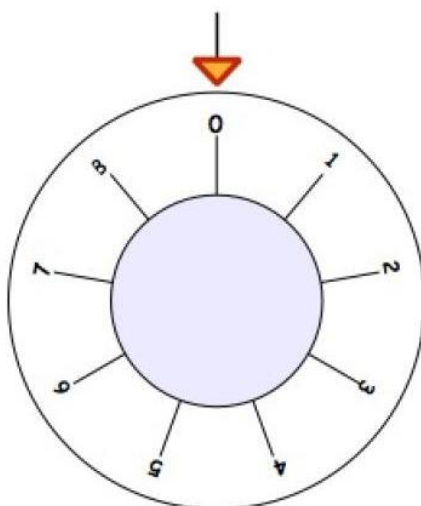
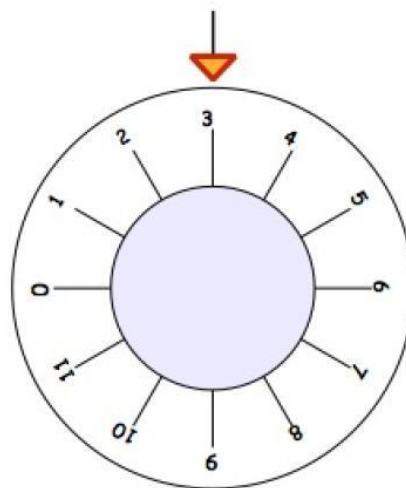
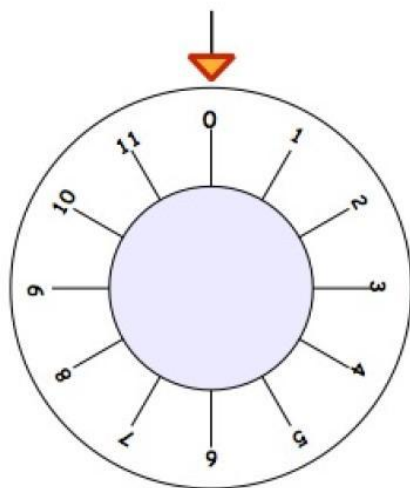
The safe below has a different dial with the numbers 0 - 7 instead. How much does the dial have to be turned to get between these two pictures, so that the number 5 is at the top?





How Safe Are You?

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 at the top. You have to find the amount of turning to get to the combination, shown in each second picture:





How Safe Are You?

Now have a go at these different safes. Remember they would all start with 0 at the top. How much does each one need to be turned to get to the combinations shown below?

