You are going to carry out an investigation which will require you to gather data using your family.

1. **Get a timer (anything with the ability to time).**
2. **Get a 2p or a 50p piece.**
3. **Ask a member of your family to put their left hand behind their back.**
4. **They then need to turn over the coin as many times as they can in 60 secs.**
5. **Write down the number in a table.**
6. **Repeat the activity 3 times.**
7. **Then repeat the activity 3 times, this time with their right hand behind their backs and using their left hand to turn the coin.**
8. **Do this for each family member—don't forget to do it yourself!**

With your results complete the following table:

Name	Coin Turns With Right Hand			Coin Turns With Left Hand		
	1st Attempt	2nd Attempt	3rd Attempt	1st Attempt	2nd Attempt	3rd Attempt

Questions:
1. **What is the mean for each of your family members with their right hand?**
2. **What is the mean for each of your family members with their left hand?**
3. **What is the median with the right hand for all family members?**
4. **Which family member has the most average turns with either hand?**
5. **What is the range of turns for the right hand for all members in the family?**
6. **What is the range of turns for the left hand for all members in the family?**
7. **What is the mode for either hand and all family members?**
8. **What is the overall average for your family with their left hand?**
9. **What is the overall average for your family with their right hand?**
10. **Which family members average shows they turned the coin over more times than the family average for each hand?**
11. **Is anyone better with their left hand than their right? Why might that be?**