

## ***Move It, Sir Isaac!***

Count the number of soft and hard pushes it takes to get the object to the finish line. Measure the first soft push and record it before finishing the soft pushes. Measure the first hard push and record it before finishing the hard pushes.

<b>Object</b>	<b>Number of Soft Pushes</b>	<b>About how long is one push?</b>	<b>Number of Hard Pushes</b>	<b>About how long is one push?</b>
Lump of clay				
Paper clip				
Marble				

1. Does it take more or fewer soft pushes to move an object from the starting line to the finish line? Why do you think so?
2. Does it take more or fewer hard pushes to move an object from the starting line to the finish line? Why do you think so?
3. Does it take more force to move a heavy object than a light object? Why do you think so?
4. Describe how soft and hard pushes are different.
5. Does the shape of an object make a difference?