

## Quantify It

Item	Estimate	Imperial Units	Metric Units
Length of whiteboard		yd	m
Height of your desk chair		ft	cm
Length of the calculator		in	mm
Width of whiteboard ledge		in	mm
<b>With your mousetrap car:</b>			
Diameter of wheel		in	mm
Diameter of axle		in	mm
Distance car can travel		ft	m
Time it took car to travel above distance		s	s
Average Velocity of car		ft/s	m/s

- Use meter stick and stopwatch
  - Align car with meter stick, note position of rear wheel
  - Release car and start stopwatch at car's first motion.
  - Stop the stopwatch when car stops
  - Use the equation for average velocity:  $v = \frac{\text{distance}}{\text{time}}$