

2014 Egg Crash Vehicle

24 Foot Ramp Calculation Formula

5280 Feet in a Mile

3600 Seconds in an hour

(X) = seconds for a car to run down an 24' ramp

Speed should be at least 5 mph

$$\text{Speed (mph)} = \frac{(24 \text{ ft}) (3600\text{s})}{(X)(5280 \text{ ft})}$$

$$\text{Speed (mph)} = \frac{86400}{(X)(5280)}$$

Test #1 – Seconds: _____ MPH: _____

Test #2: – Seconds: _____ MPH: _____

Test #3: – Seconds: _____ MPH: _____

Student Name: _____