

Are They Speeding?

Name _____

In this experiment you will be determining the velocity of five cars traveling on a road near the school. To do this you will need a device to measure the distance (a 50 meter tape measure) and a timer. One person from you lab group will act as a recorder of the information, one person will signal when the you will begin timing the cars movement and one person will run the timer and note when the car has ended the experiment.

What is the legal speed limit? _____ miles per hour

Convert this to SI units. There are 3600 seconds in one hour and 1609 meters in one mile. Show all your work.

What is the legal speed limit in SI units?(include units) _____

Complete the chart below: Show all work. (if you need additional space use either the bottom or the back of the paper.)

Distance	Time	Speed in SI Units	Speed in Kilometers per hour	Speed in miles per hour	Are they Speeding?