Name: _____

Date: _____

Unit conversion - formulas: F = mv2/r

A 100g marble is being spun around on a string that is 90cm long. The speed of the marble is measure at 3.5m/sec. What is the tension in the string, in Newtons?

Extension: What is the tension in the string if the marble's speed is measured at 15 miles per hour?

Show your work, and write your answer in a complete sentence.