

Name \_\_\_\_\_  
Regents Physics  
Period \_\_\_\_\_

Date \_\_\_\_\_  
Measure & Math WS #2R  
Mr. Moy

### Scientific Notation and Factor Label Method

Directions: Solve the following problems using correct scientific notation and factor label method for conversions.

1. Convert the following values into proper scientific notation.
  - a. 84, 000 m
  - b. 0.00815 s
  - c.  $56 \times 10^4 \text{ m/s}$

To earn full credit on this assignment, you must show all of your work using the Factor Label Method learned in class. Simply putting an answer will earn NO credit.

2. Using Factor Label Method, convert 35 miles/hour into meters/second.
3. Using Factor Label Method, convert 6.13 kilobytes into millibytes.
4. Using Factor Label Method, convert 866.1 centimeters into yards.