2009 PreAP Linear Motion 1

1. Complete the Regular Physics homework: Physics Basics 1.

    There is a table of metric prefixes on the website.
    Here's a big hint: since the prefixes are all related to meters (the base unit), first convert to the base, then to the secondary unit.

2. Example: How many centimeters are in 85 Gigameters?
    A. First convert 85 gigameters to meters:

    B. Now convert meters to centimeters from part A.

3.3 ft = 1 m	5280 ft = 1 mi
12 in = 1 ft	2.54 cm = 1 in.
I assume you know about seconds, mins, etc	

m/s means meters per second. Mph means miles per hour.
Any other time we mean miles we will use mi.

3. A car is moving 30 m/s. How fast is that in mph?

That's enough for today.