

Student Name: _____

Date: _____

Period #: _____

Unit 1: Quiz 5

Converting from one measurement unit to another

Complete the following problems using the unit conversions provided below:

2.54 cm = 1 in	100 cm = 1 m
1 ft = 12 in	1000 m = 1 km
1 yd = 3 ft	60 sec = 1 min
5280 ft = 1 mi	60 min = 1 hr
30 days = 1 month	365 days = 1 yr

1. How many centimeters are there in 1.23×10^{-3} kilometers?

2. How many inches are there in 777 millimeters?

3. How many miles are there in 3.45×10^{12} inches?

4. Convert 12 mph to a measurement in units of $\frac{m}{s}$.

5. A cow walked out in front of Jennifer's car as she was driving home on Sterling Blvd at 40 mi/hr. Would she have a better chance of coming to a stop before striking the cow if she was travelling at 55 km/hr? Show all work and justify your answer.