Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit Conversion #3

SHOW ALL WORK USING TRAIN TRACKS!

BASIC METRIC CONVERSIONS

1. Convert 345 cm into m
2. Convert 12.5 cm into mm
3. 104 mm into cm
4. 962 cm into km
5. Convert 829 cm into km
6. Convert 42.5 km into cm

UNIT CONVERSIONS

1. Convert 32.3 cm to inches. (1 in=2.54 cm)
2. Convert 365.5 lbs into kg. (1 kg=2.2 lb)
3. A murder victim weighs 150 pounds. How much does he weigh in grams? (1 kg=2.2 lbs)
4. Calculate the number of seconds in 3.6 years. (60 sec=1 min, 60 min=1 hr, 1 day=24 hr, 365.25 days = 1 year)
5. A tire impression left in the mud at a crime scene was 8.7 inches wide. Convert this to centimeters. (1 in=2.54 cm)
6. Forensic scientists must be careful to avoid communicable diseases such as HIV/AIDS. In body fluids such as blood or saliva, the HIV virus can survive over 15 days at room temperature and longer if refrigerated. How many minutes can the HIV virus survive in liquid at room temperature? (1 hr= 60 min; 24 hr=1 day)
7. How many 325 mg tablets can be produced from 2.50 kg of ibuprofen?
8. You are given 3 yards of tape to make evidence labels. How many labels 20 cm in length can you make?
9. The tread on a suspect’s car tire is worn to 1/16th of an inch. Convert this to millimeters.