

## Lesson 1.3C ~ Measuring Centimeters and Millimeters

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

When you have measured using centimeters or millimeters, you can find the amount of meters (*m*) or kilometers (*km*) by converting your measurement. You can also convert your measurements to smaller units (meters to centimeters, kilometers to meters, etc.). Use the conversion table below to answer the questions.

When converting to <u>larger</u> units, divide ( $\div$ ).	$10\text{ mm} = 1\text{ cm}$ $1000\text{ mm} = 1\text{ m}$
When converting to <u>smaller</u> units, multiply ( $\times$ ).	$100\text{ cm} = 1\text{ m}$ $100,000\text{ cm} = 1\text{ km}$ $1000\text{ m} = 1\text{ km}$

- Scruffy's dog kennel measured 365.7 centimeters long. How many meters long is the kennel?  
Convert to larger units  $\rightarrow$  divide.  $365.7 \div$  \_\_\_\_\_ (number of *cm* in a *m*) = \_\_\_\_\_
- Taylor ran 5.25 kilometers. How many meters did she run?  
Convert to smaller units  $\rightarrow$  multiply.  $5.25 \times$  \_\_\_\_\_ (number of *m* in a *km*) = \_\_\_\_\_
- Ryan drove 1,874.85 meters. How many kilometers did he drive?
- Mercedes drove 2,934.25 kilometers. Then she drove back toward her original location, but stopped after 1,274.5 kilometers. How many meters away from her original location was she?
- Debra's land measured 587.21 meters in width.
  - How many centimeters wide was her land?
  - How many kilometers wide was her land?
- Jake walked 14.6 kilometers. Logan walked 12.75 kilometers.
  - How many meters further did Jake walk than Logan?
  - How many centimeters did they walk altogether?