

Name: _____

Date: _____

Answer Key**METRIC LENGTH MEASUREMENT : WORD PROBLEMS**

Use the conversion chart and the examples to solve the word problems below.

Metric Units of Length: Conversion Chart

1 centimeter (cm) = 10 millimeters (mm)

1 meter (m) = 100 cm

1 kilometer (km) = 1,000 m

**To convert from a larger unit to a smaller unit:**

Multiply, or move the decimal point to the right based on the number of zeros.

$$4 \text{ km} \times 1,000 = 4,000 \text{ m}$$

To convert from a smaller unit to a larger unit:

Divide, or move the decimal point to the left based on the number of zeros.

$$19 \text{ mm} \div 10 = 1.9 \text{ cm}$$

Santiago walked 500 m per day, every day for one week. How many kilometers did he walk all together?	Santiago walked <u>3.5</u> kilometers in one week.
Hyeon swam .7 km in his triathlon. How many meters did she swim?	Hyeon swam <u>700</u> meters in the race.
Leo ran around the track three times. The track was 400 meters. How many kilometers did he run all together?	Leo ran <u>1.2</u> kilometers.
Nousha lined up 10 guitar picks across her desk. Each pick was 12 mm wide. How many centimeters long was her line of guitar picks?	Nousha's line of guitar picks was <u>12</u> centimeters long.
Betty rode her bike down a block that was 50 meters long. How many millimeters did she ride?	Betty rode <u>50,000</u> millimeters.