

Name \_\_\_\_\_

Date \_\_\_\_\_

## 1. Convert:

- a. 5 meters to centimeters  $5 \text{ m} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ cm}$
- b. 60 centimeters to meters  $60 \text{ cm} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ m}$
- c. 2300 milliliters to liters.  $2300 \text{ mL} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ L}$
- d. 0.462 liters to milliliters  $0.462 \text{ L} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ mL}$
- e. 80.4 kilometers to meters  $\underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ m}$
- f. 0.725 kilometers to meters  $\underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ m}$
- g. 456 grams to kilograms  $\underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ kg}$
- h. 0.3 kilograms to grams  $\underline{\hspace{2cm}} = \underline{\hspace{2cm}} \text{ g}$

## 2. Read each aloud as you write the equivalent measures.

- a. 2.7 km =  $\underline{\hspace{2cm}}$  km  $\underline{\hspace{2cm}}$  m
- b. 3.46 L =  $\underline{\hspace{2cm}}$  L  $\underline{\hspace{2cm}}$  mL
- c. 5.005 kg =  $\underline{\hspace{2cm}}$  kg  $\underline{\hspace{2cm}}$  g
- d. 8 mL =  $\underline{\hspace{2cm}}$  L
- e. 4079 g =  $\underline{\hspace{2cm}}$  kg

3. A dining room table measures 1.78 m long. Express this measurement in millimeters.
- a. Explain your thinking using a place value chart.
- b. Explain your thinking using an equation that includes an exponent.
4. Eric and YiTing commute to school every day. Eric walks 0.81 km and YiTing walks 0.65 km. How far did each of them walk in meters? Explain your answer using an equation that includes an exponent.
5. There were 9 children at a birthday party. Each child drank one 200 mL juice box. How many liters of juice did they drink altogether? Explain your answer using an equation that includes an exponent.