Name _____ Date _____

1. Solve. The first one is done for you.

a. Convert days to weeks. 42 days = 42 × (1 day) $= 42 × \left(\frac{1}{7}\text{ week}\right)$ $= \frac{42}{7}\text{ week}$ = 6 weeks	b. Convert quarts to gallons. 36 quarts = _____ × (1 quart) $= \underline{\hspace{2cm}} × \left(\frac{1}{4}\text{ gallon}\right)$ = _____ gallons = _____ gallons
c. Convert centimeters to meters. 760 cm = _____ × (_____ cm) = _____ × (_____ m) = _____ m	d. Convert meters to kilometers. 2,485 m = _____ × (_____ m) = _____ × (0.001 km) = _____ km
e. Convert grams to kilograms. 3,090 g =	f. Convert milliliters to liters. 205 mL =

Lesson 14:   Use fraction and decimal multiplication to express equivalent measurements.

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2. After solving, write a statement to express each conversion. The first one is done for you.

a. The screen measures 36 inches. Convert 36 inches to feet.	b. A jug of juice holds 8 cups. Convert 8 cups to pints.
36 inches = 36 × (1 inch) $= 36 \times \left(\frac{1}{12} \text{ feet}\right)$ $= \frac{36}{12} \text{ feet}$ = 3 feet The screen measures 36 inches or 3 feet.	
c. The length of the flower garden is 529 centimeters. What is its length in meters?	d. The capacity of a container is 2,060 milliliters. Convert this to liters.
e. A hippopotamus weighs 1,560,000 grams. Convert the hippopotamus' weight to kilograms.	f. The distance was 372,060 meters. Convert the distance to kilometers.

Lesson 14: Use fraction and decimal multiplication to express equivalent measurements.

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