Name _____ Date _____ Period _____

LESSON 3-7 · WARM-UP

Warm-Up Practice

Converting Between Systems

THE MOVE

what this page practices

Multiply by the conversion factor and keep the unit label

Multiply the measurement by the factor for one unit. Write the new unit next to the answer.

Round the decimal answer to the nearest tenth

Look at the hundredths digit. 5 or more rounds the tenths digit up; less than 5 leaves it alone.

WORKED MODEL

we do this one together

Step 1	Change 4 miles to kilometers. 1 mile ≈ 1.6 kilometers.
Step 2	4 × 1.6 = _____ kilometers
Step 3	Change 7 pounds to kilograms. 1 pound ≈ 0.45 kilogram.
Step 4	7 × 0.45 = _____ kilograms, then round to _____ kilograms

YOUR TURN

8 items · about 10 minutes

1. 1 mile ≈ 1.6 kilometers. 5 miles = _____ kilometers

ANSWER _____

2. 1 pound ≈ 0.45 kilogram. 4 pounds = _____ kilograms

ANSWER _____

3. 1 inch = 2.54 centimeters. 3 inches = _____ centimeters

ANSWER _____

4. 1 kilogram ≈ 2.2 pounds. 6 kilograms = _____ pounds

ANSWER _____

5. 1 liter ≈ 1.06 quarts. 3 liters = _____ quarts. Round to the nearest tenth: _____

ANSWER _____

6. 1 gallon ≈ 3.79 liters. 2 gallons = _____ liters. Round to the nearest tenth: _____

ANSWER _____

7. 1 mile ≈ 1.6 kilometers. A race is 8 kilometers long. About how many miles is that? _____

ANSWER _____

8. 1 pound ≈ 0.45 kilogram. A dog weighs 20 pounds. Find its mass in kilograms: _____ The medicine dose is 2 mL for each kilogram. How many mL? _____

ANSWER _____