Practice 6.5

Name_____

(6.5) Convert the length as indicated. Round the answer to two decimal places.

1) 83.1 inches to centimeters

2) 99 miles to kilometers

3) 1400 meters to miles (meters →kilometers → miles)

Convert the length as indicated. Round the answer to one decimal place.

4) 5.3 meters to inches (meters →centimeters → inches)

Convert the capacity or volume as indicated. Round the answer to two decimal places.

5) 19 liters to quarts

Convert the capacity or volume as indicated. Round the answer to one decimal place.

6) 25.62 liters to gallons (liters →quarts → gallons)

Convert the mass or weight as indicated. Round the answer to two decimal places if necessary.

7) 14 ounces to grams

Convert the temperature algebraically. Round the answer to one decimal place.

8) 110°C to Fahrenheit

9) -30°C to Fahrenheit

10) -9°F to Celsius

1

Solve the problem.

11) A particular vitamin comes in 400 milligram tablets. Convert this to ounces. Round answer to the nearest thousandth, if necessary. (milligrams →grams →ounces)

13) Sam is running a fever of 100.9°F. Find this temperature as it would be shown on a Celsius thermometer. If necessary, round to the nearest tenth of a degree.

12) A punch recipe calls for 10 gallons of juice. How many liters is that? Round to the nearest tenth of a liter. (gallons →quarts →liters)

Convert as indicated. Express the answer in decimal form when needed.

14) 0.7 hours to seconds

1) 211.07 cm
2) 159.6771 km
3) 0.87 mi
4) 208.7 in.
5) 20.14 qt
6) 6.8 gal
7) 396.9 g
8) 230°F
9) -22.0°F
10) -22.8°C
11) 0.014 oz
12) 37.7 L
13) 38.3°C
14) 2520 sec