

Practice 8.5

Name _____

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

- 1) 83.1 inches to centimeters
- 2) 78 kilometers to miles
- 3) 7.6 meters to yards

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

- 4) 5.3 meters to inches (meters \rightarrow centimeters \rightarrow inches)
- 5) 50 liters to gallons (liters \rightarrow quarts \rightarrow gallons)

Convert as indicated. Round the answer to two decimal places.

- 6) 19 liters to quarts
- 7) 14 ounces to grams

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

- 8) 44°C to Fahrenheit
- 9) 257°F to Celsius

Solve the problem.

- 10) A particular vitamin comes in 400 milligram tablets. Convert this to ounces. Round answer to the nearest thousandth, if necessary. (milligrams \rightarrow grams \rightarrow ounces)
- 11) A redwood tree is 88.2 meters tall. Convert this to feet. Round to the nearest hundredth of a foot. (meters \rightarrow yards \rightarrow feet)
- 12) A weather forecaster has predicted a high temperature of 7°C for tomorrow. Find this temperature in degrees Fahrenheit. If necessary, round to the nearest tenth of a degree.

Answer Key

Testname: M050_8.5WKS_LIAL

- 1) 211.07 cm
- 2) 48.36 mi
- 3) 8.28 yd
- 4) 208.7 in.
- 5) 13.3 gal
- 6) 20.14 qt
- 7) 396.9 g
- 8) 111.2°F
- 9) 125°C
- 10) 0.014 oz
- 11) 288.41 ft
- 12) 44.6°F