

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 two decimal places.

7) 19 liters to quarts

8) 14 ounces to grams

9) 64 pounds to kilograms

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)

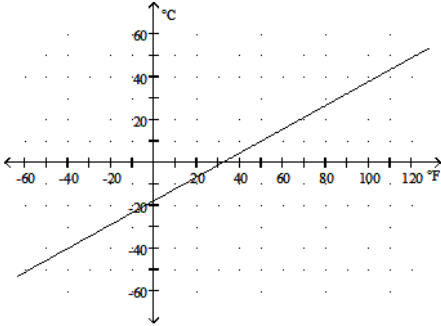
6) 0.7 kilograms to ounces (kilograms \rightarrow grams \rightarrow ounces)

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

10) 44°C to Fahrenheit

11) 257°F to Celsius

Use the following graph to convert the temperatures visually.



12) 10°C to Fahrenheit

Solve the problem.

13) 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)

14) 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)

15) 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) 24.6 oz
- 7) 20.14 qt
- 8) 396.9 g
- 9) 29.09088 kg
- 10) 111.2°F
- 11) 125°C
- 12) 50°F
- 13) 0.014 oz
- 14) 288.41 ft
- 15) 44.6°F