Name

Convert the length as indicated.

- 1) 144 inches to feet
- 2) 26,400 feet to miles
- 3) $6\frac{1}{2}$ feet to inches

Convert the capacity as indicated.

- 4) 92 quarts to gallons
- 5) 0.3 gallons to ounces

Convert the weight as indicated.

- 6) 0.75 pounds to ounces
- 7) 1.59 tons to pounds
- 8) $14\frac{1}{4}$ pounds to ounces

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

- 9) 120 inches per second to feet per second
- 10) 220 feet per second to miles per hour
- 11) 31 kilometers per hour to miles per hour (Round to the nearest thousandth.)

Solve the problem.

- 12) A restaurant serves 8 ounces of soup to each customer. How many quarts of soup should be prepared in order to serve 181 customers? (Express the answer as a mixed number.)
- 13) Jarod calculated the speed of a train to be 35 feet per second. Calculate the speed in miles per hour. Round to the nearest whole number.
- 14) A cheetah can run at a speed of approximately 68 miles per hour. Calculate this speed in feet per second. Round to the nearest whole number.

Answer Key

Testname: M050_8.1WKS

- 1) 12 ft 2) 5 mi
- 3) 78 in.
- 4) 23 gal
- 5) 38.4 oz
- 6) 12 oz 7) 3180 lb
- 8) 228 oz
- 9) 10 ft/sec
- 10) 150 mi/hr 11) 19.220 mi/hr
- 12) $45\frac{1}{4}$ qt
- 13) 24 mi/hr
- 14) 100 ft/sec