

# Relating Customary and Metric Measures

Complete. Round to the nearest tenth.

1. 100 cm  $\approx$  \_\_\_\_\_ in.                      2. 16.5 gal  $\approx$  \_\_\_\_\_ L
3. 24.8 kg  $\approx$  \_\_\_\_\_ lb                      4. 375 yd  $\approx$  \_\_\_\_\_ m
5. 11.5 ft  $\approx$  \_\_\_\_\_ cm                      6. 24 oz  $\approx$  \_\_\_\_\_ g

7. **Estimation** Use  $1 \text{ t} \approx 1.1 \text{ T}$  to estimate the number of tons in 10 t.

\_\_\_\_\_

8. **Reasoning** If a recipe calls for 4 c of milk, and you have 1 L of milk, would it be enough?

\_\_\_\_\_

Convert each. Round to the nearest tenth.

9. The number of feet in the 200 m race
10. The number of miles in the 5,000 m race
11. The number of miles in the 20 km race
12. The phrase *800 lb gorilla* means you are facing a tough task. How might you change this phrase to express it in metric terms?

\_\_\_\_\_

\_\_\_\_\_

13. Sarah has 2 L of milk. How many quarts of milk is this?

- A** 1.6                      **B** 1.9                      **C** 2.12                      **D** 21.12

14. **Writing to Explain** Billy wants to ride the roller coaster. A sign says he must be 138 cm tall. Explain how Billy can convert the measurement to feet and inches.

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