

Practice

For use with pages 90–95

Match the measures that are equivalent.

- | | |
|-------------|----------------|
| 1. 72.3 km | A. 0.000723 km |
| 2. 0.0723 m | B. 72,300 m |
| 3. 0.723 cm | C. 7.23 cm |
| 4. 723 mm | D. 7.23 mm |

Complete the statement.

- To convert from milliliters to _____, you divide by 1000.
- To convert from grams to _____, you multiply by 100.
- To convert from centimeters to _____, you divide by 100,000.

Complete the statement.

- | | |
|-------------------------|--------------------------|
| 8. 2.56 g = _____ mg | 9. 2614 m = _____ km |
| 10. 0.56 L = _____ mL | 11. 250,000 mg = _____ g |
| 12. 18 m = _____ cm | 13. 7.14 kg = _____ g |
| 14. 394 cm = _____ m | 15. 1.405 km = _____ m |
| 16. 41,250 mL = _____ L | |

Complete the statement using <, >, or =.

- | | |
|---------------------------------|---------------------------|
| 17. 420 mm _____ 4.2 cm | 18. 5600 mg _____ 56 g |
| 19. 21,480 mL _____ 214.8 L | 20. 6.24 m _____ 624 cm |
| 21. 4.02 kL _____ 40,200,000 mL | 22. 14 kg _____ 14,000 mg |

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- 23.** Describe and correct the error in converting 0.85 liters to milliliters.

~~$0.85 \div 1000 = 0.00085$~~

So, $0.85 \text{ L} = 0.00085 \text{ mL}$.

- 24.** A bookcase is 1.98 meters tall and its shelves are 33 centimeters apart. How many shelves are in the bookcase?
- 25.** One can of juice contains 335 milliliters of liquid. How many liters of liquid are in a 12-pack of juice?
- 26.** The bee hummingbird, the world's smallest bird, is only 6.3 centimeters long. The ostrich, one of the world's tallest birds, can reach a height of 2.5 meters. How much longer, in centimeters, is the ostrich than the bee hummingbird?