Name _____

Convert Units of Length

Convert to the given unit.

1. 42 ft = ☐ yd

conversion factor: $\dfrac{1\ yd}{3\ ft}$

42 ft $\times\ \dfrac{1\ yd}{3\ ft}$

42 ft = 14 yd

2. 2,350 m = ☐ km

3. 18 ft = ☐ in.

4. 289 m = ☐ dm

5. 5 mi = ☐ yd

6. 35 mm = ☐ cm

Compare. Write <, >, or =.

7. 1.9 dm ◯ 1,900 mm

8. 12 ft ◯ 4 yd

9. 56 cm ◯ 56,000 km

10. 98 in. ◯ 8 ft

11. 64 cm ◯ 630 mm

12. 2 mi ◯ 10,560 ft

Problem Solving Real World

13. The giant swallowtail is the largest butterfly in the United States. Its wingspan can be as large as 16 centimeters. What is the maximum wingspan in millimeters?

14. The 102nd floor of the Sears Tower in Chicago is the highest occupied floor. It is 1,431 feet above the ground. How many yards above the ground is the 102nd floor?