

Name _____

Converting Metric Units of Length

Convert each unit.

- 25 m = 2,500 cm
- 345 cm = 3.45 m
- 4.5 m = 450 cm
- 10 m = 10,000 mm
- 987 mm = 98.7 cm
- 4,000 mm = 400 cm
- 4.2 km = 4,200 m
- 3 km = 3,000 m

9. List three measurements with different units that are equal to 5 meters.

0.005 km; 500 cm; 5,000 mm

Write $>$, $=$, or $<$ for each \bigcirc .

- 12 cm \bigcirc 98 mm $>$
- 3 km \bigcirc 5,000 m $<$
- 800 cm \bigcirc 8 m $=$
- 38.5 mm \bigcirc 10 cm $<$
- 9,000 cm \bigcirc 2 km $<$
- 1,000,000 mm \bigcirc 100 m $>$

Mount Saint Helens, a volcano, erupted on May 18, 1980. Before the eruption, Mount St. Helens was 2,950 meters high. After the eruption, it was 2,550 meters high.

16. What is the difference in height of Mount St. Helens before and after the eruption, expressed in meters? 400 m
17. Before the eruption, how many kilometers high was Mount St. Helens? 2.95 km
18. Which of the following is equal to 2 meters?
A 200 mm B 20 cm C 200 km **D 2,000 mm**

19. Explain how you would convert 4 m to millimeters.
- 1 m = 1,000 mm; so 4 m = 4 × 1,000 = 4,000 mm