Converting Metric Units of Length

Convert each unit.

1. 25 m = ____________ cm
2. 345 cm = ____________ m
3. 4.5 m = ____________ cm
4. 10 m = ____________ mm
5. 987 mm = ____________ cm
6. 4,000 mm = ____________ cm
7. 4.2 km = ____________ m
8. 3 km = ____________ m

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

Write >, =, or < for each circle.

10. 12 cm ___ 98 mm
11. 3 km ___ 5,000 m
12. 800 cm ___ 8 m
13. 38.5 mm ___ 10 cm
14. 9,000 cm ___ 2 km
15. 1,000,000 mm ___ 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? ____________

17. Before the eruption, how many kilometers high was Mount St. Helens? ____________

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.

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