

# Length Lab

1. What is the abbreviation for each unit?

- (a) millimeter=\_\_\_\_\_ (b) meter=\_\_\_\_\_
- (c) centimeter=\_\_\_\_\_ (d) kilometer=\_\_\_\_\_

2. How much does each one equal?

- (a) 1m = \_\_\_\_\_ mm (b) 100 cm = \_\_\_\_\_ m (c) 1 km = \_\_\_\_\_ m

3. Which measurement is the smallest? Circle your answer for each pair.

- (a) 17 mm or 1 cm  
(b) 565 m or 1 km  
(c) 1.5 m or 990 cm  
(d) 1000 m or 145 km  
(e) 3.4 cm or 50 mm  
(f) 10 km or 1000 mm

4. Use a metric ruler or meter stick to find each measurement.

- (a) Length of a 5 inch line in centimeters \_\_\_\_\_  
(b) \_\_\_\_\_ in millimeters \_\_\_\_\_  
(c) Height of a 2 in x 4 in rectangle to the nearest millimeter \_\_\_\_\_  
(d) Width of a 2 in x 4 in rectangle to the nearest millimeter \_\_\_\_\_

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HINT: If it says "nearest", you need to round your answer so you don't have a decimal point. If not, you should have one decimal point in your answer.

5. Use your shoe and a metric ruler to complete this section. Keep your shoes on for this one!

- (a) What is the length of your shoe to the nearest centimeter? \_\_\_\_\_  
(b) How many shoes would it take (heel to toe) to make 1 meter? \_\_\_\_\_  
(c) How many shoes would it take to make 1 kilometer? \_\_\_\_\_

6. Circle the BEST metric unit for each.

- (a) The length of a finger mm cm m km  
(b) The height of a doorway mm cm m km  
(c) The length of a strand of hair mm cm m km

### Length Lab Answer Key:

1. A: mm, B: m, C: cm, D: km

2. A - 1000 mm, B - 1m, C - 1000 m

3. A: 1 cm, B: 565 m, C: 1.5 m, D - 100 m, E - 3.4 cm, F - 1000 mm

4. A: 12.7, B: 127 cm, C: 50.8 mm, D: 101.6 mm

5. Answers will vary.

6. A: cm, B: m, C: cm