

# Metric units of Length Answer Key



An adults's finger nail is about 1 **centimeter (cm)** wide.



An adults's hand is about 1 **decimeter (dm)** wide.



The width of a door is about 1 **meter (m)** wide.



It takes about 10 - 12 minutes to walk 1 **kilometer (km)**.

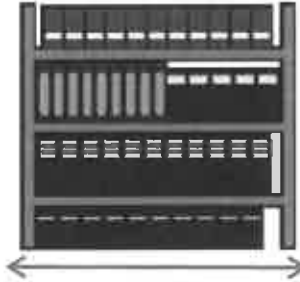
Choose the unit you would use to measure each. Write cm, m, dm, or km.

1)



**cm**

2)



**m**

3)



**dm**

4) length of a shoe

5) distance from your house to school

6) height of a flagpole

7) length of a snail

8) width of a window

9) length of a crayon

10) It takes twenty minutes for Nori to walk to the library from her home. Is the library 2 dm, 2 m, or 2 km from her house?

Solution:

4)     **cm**    

5)     **km**    

6)     **m**    

7)     **cm**    

8)     **m**    

9)     **cm**    

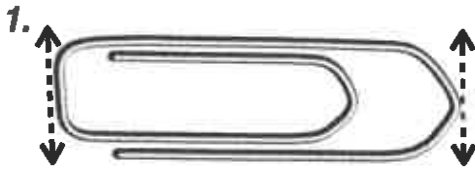
10)     **2 km**

# Metric Units Of Length

Answer Key

Estimate the length in centimeters. Then use a ruler to measure to the nearest centimeter.

Sample Answers: The answers will vary.



**Estimation :** 2 cm      **Measurement :** 3 cm



**Estimation :** 8 cm      **Measurement :** 15 cm

3. the length of your hand      **Estimation :** 8      **Measurement :** 10 cm

4. the length of your science book      **Estimation :** 18      **Measurement :** 25 cm

5. the length of your pencil case      **Estimation :** 14      **Measurement :** 16 cm

6. the length of your shoe      **Estimation :** 15      **Measurement :** 18 cm

Read and solve.

7. Erika is 9 dm tall. Ramon is 92 cm tall. Bill is 8 dm tall and Jason is 89 cm tall. Who is tallest?

Ramon

8. Misty said that 44 centimeters is the same as 4 decimeters plus 4 centimeters. Do you agree? Explain.

Yes, it is the same.

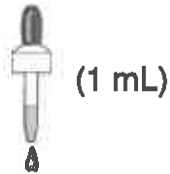
Because, 1 decimeter = 10 centimeters. (44 centimeters = 4 dm + 4 cm)

# Milliliters and Liters

Answer Key

A milliliter (mL) and liter (L) are two units to measure capacity in the metric system.

milliliter (mL) measure small amounts of liquids.



A dropper holds about 1 milliliter of liquid.

liter (L) measure larger amounts of liquids.

A bottle has about 1 liter of liquid.



1,000 mL = 1 L

Choose the unit you would use to measure the capacity of each. Write milliliter (mL) or liter (L).



L



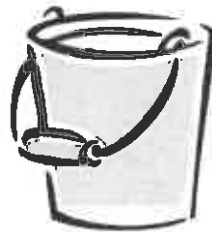
mL



mL



mL



L



L

Find each missing number.

9 L = 9,000 mL

13,000 mL = 13 L

6,000 mL = 6 L