

GO MATH!

Chapter 9 – Length in Metric Units

Chapter Essential Question:

What are some of the methods and tools that can be used to estimate and measure length in metric units?

Chapter Vocabulary:

centimeter – a unit of length in the metric system of measurement

meter – a unit of length or distance in the metric system of measurement; 1 meter = 100 centimeters

What should you know?

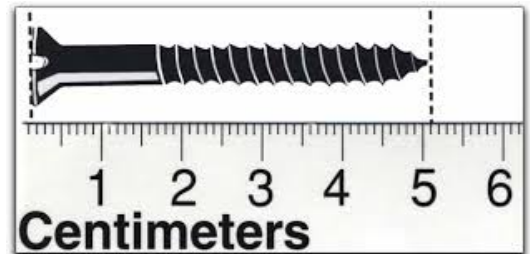
Measure Length with a Centimeter Model

*Use unit cubes to measure the length.



Measure with a Centimeter Ruler

*Line up the end of the object being measured with the zero mark on the ruler. Then, find the centimeter mark that is closest to the other end of the object being measured.



Estimate Lengths in Centimeters

*If the string is 2 centimeters long, about how long is the crayon?



Add and Subtract Lengths

Ellie has a ribbon that is 12 centimeters long. Gwen has a ribbon that is 9 centimeters long. How many centimeters of ribbon do they have?

$$12 + 9 = \underline{\quad}$$

Meters

1 meter is the same as 100 centimeters
A real door is about 200 centimeters tall.
A real door is also about 2 meters tall.

Estimate Lengths in Meters

*Using real objects, estimate the length in meters.
Bookshelf, window, desk, wall, floor, bike, etc.*

Measure and Compare Lengths

Measure the length of 2 objects.

Write a number sentence to find the difference between the lengths.

$$10\text{cm} - 7\text{cm} = 3\text{cm}$$