Lesson 10: Measure with a Torn Tape

- Let's measure without starting at 0.

Warm-up: True or False: Constant Difference

Decide if each statement is true or false. Be prepared to explain your reasoning.
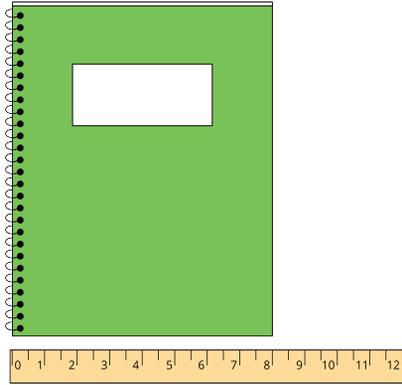
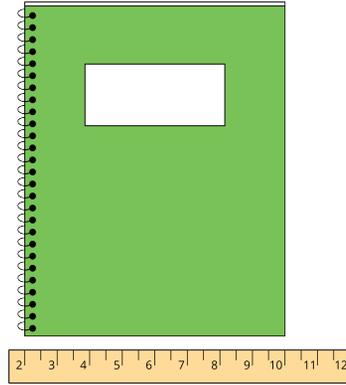- $10 - 0 = 12 - 2$

- $8 - 4 = 10 - 6$

- $12 - 4 = 10 - 3$

- $15 - 2 = 13 - 0$

10.1: The Notebook Problem

Jada and Han used an inch ruler to measure the short side of a notebook.

Han says 8 inches.

Jada says 8 inches.

1. How did Han and Jada get the same measurement?

   _____

   _____

   _____

2. Write an equation that could show Jada's thinking.

3. Measure an object using Jada's method.

- I measured a _____.

- I started with the number _____.

- I ended with the number _____.

- Equation: _____.

- The length of my object is _____.

4. What do you notice about you and your partner's measurements?

_____

_____

_____

10.2: A Desktop to Measure
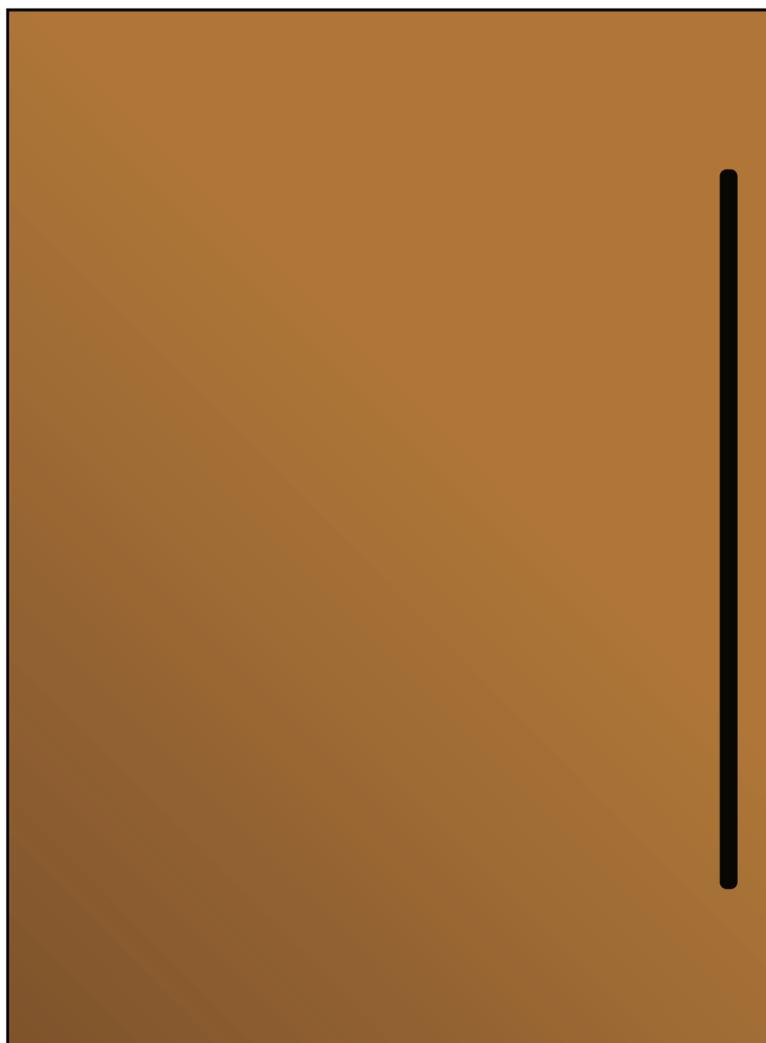
Lin is measuring her desktop in inches.

1. What is the length of the long side of the desktop? Show your thinking using drawings, numbers, or words.

Equation: _____

The long side of the desktop is _____.

2. What is the length of the short side of the desktop? Show your thinking using drawings, numbers, or words.

Equation: _____

The short side of the desktop is _____.