Unit 3 Lesson 10: Measure with a Torn Tape

WU True or False: Constant Difference (Warm up)
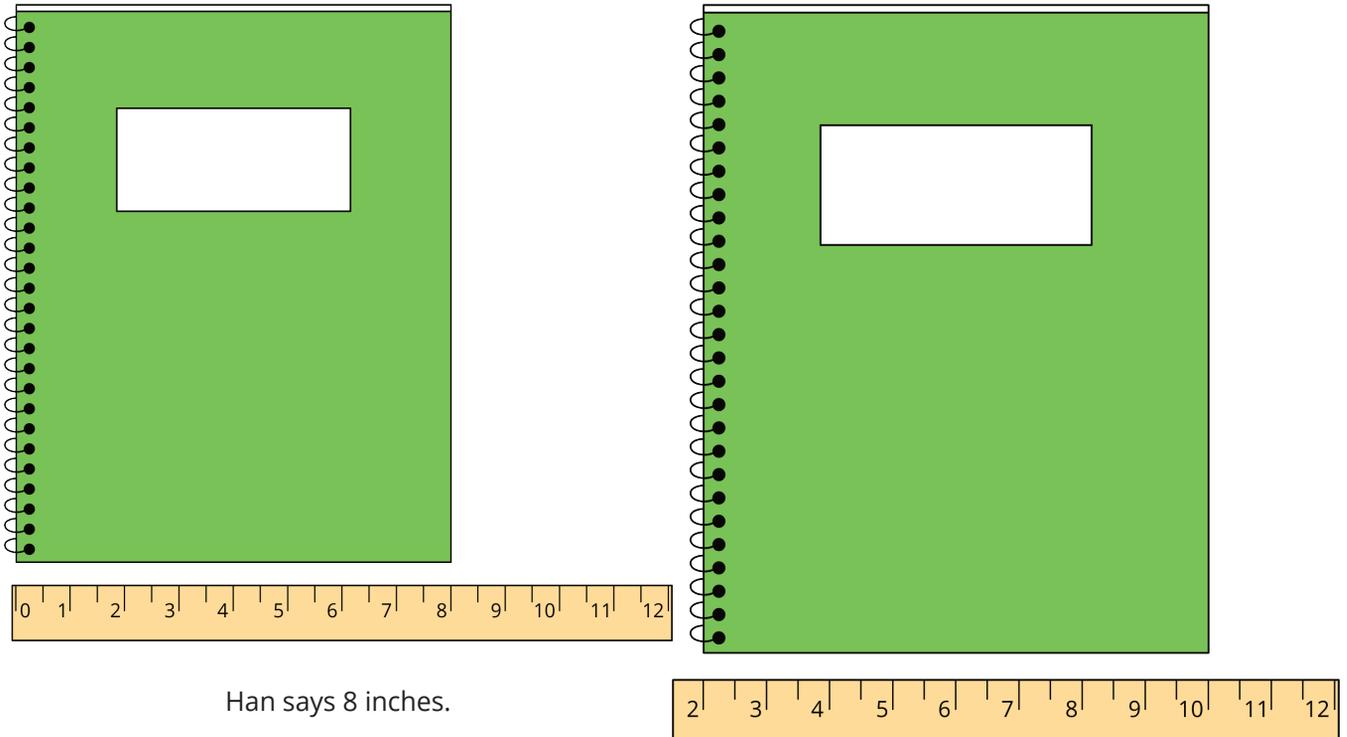
Student Task Statement

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $10 - 0 = 12 - 2$
- $8 - 4 = 10 - 6$
- $12 - 4 = 10 - 3$
- $15 - 2 = 13 - 0$

1 The Notebook Problem

Student Task Statement

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?

2 A Desktop to Measure

Student Task Statement
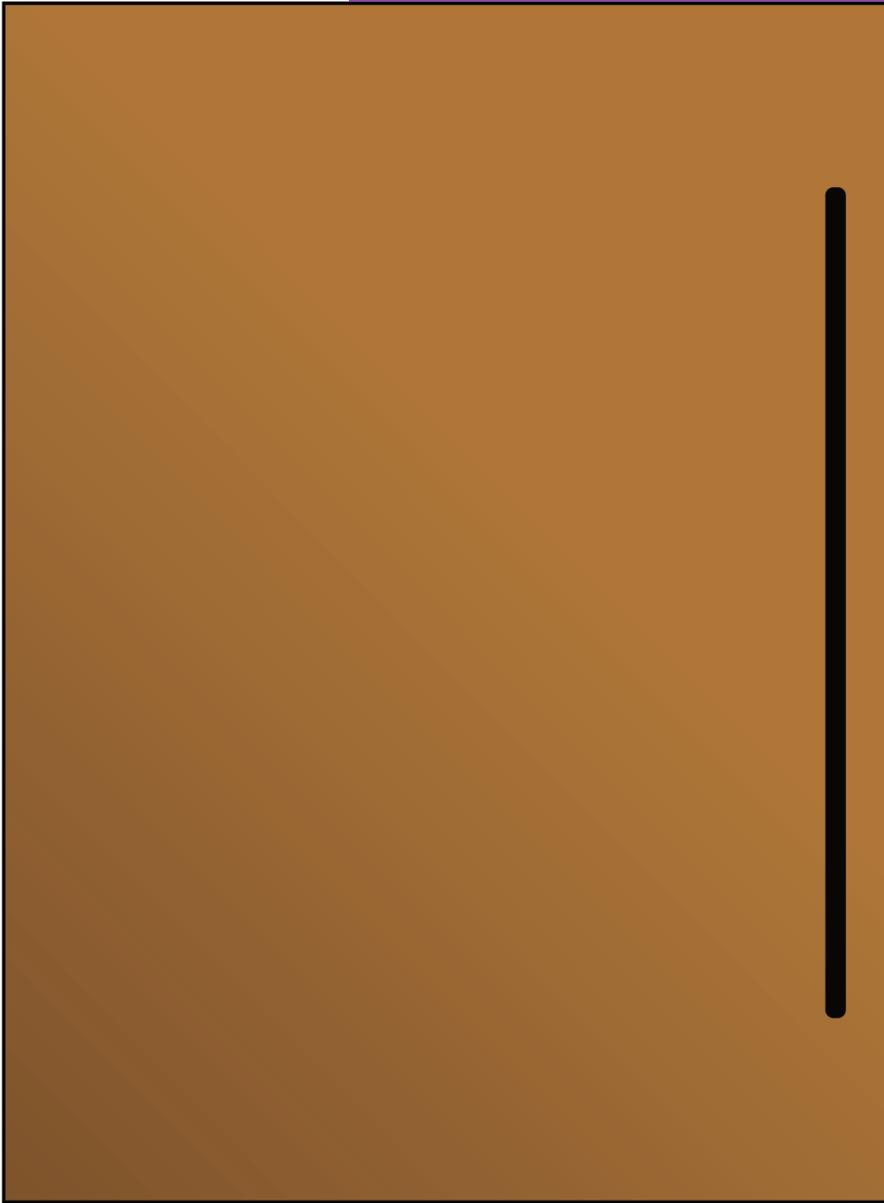
Lin is measuring her desktop in inches.

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 _____.