



# 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.

- $10 - 0 = 12 - 2$

- $8 - 4 = 10 - 6$

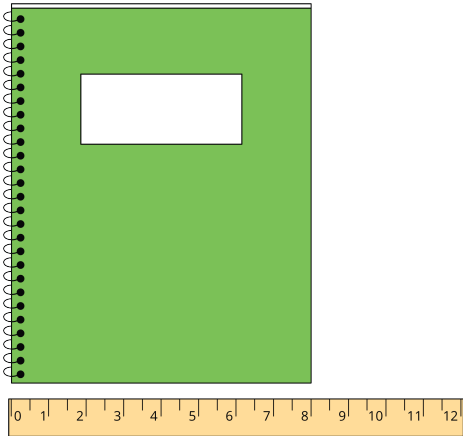
- $12 - 4 = 10 - 3$

- $15 - 2 = 13 - 0$

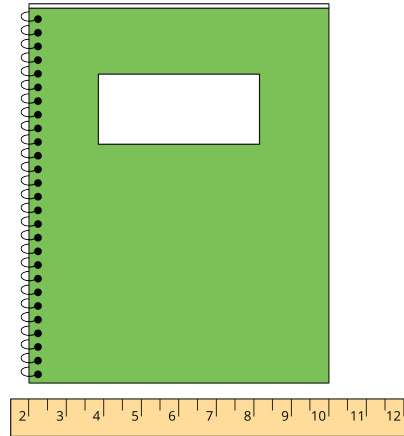
## Activity 1

### The Notebook Problem

Jada and Han use an inch ruler. They measure the short side of the notebook.



Han says 8 inches.



Jada says 8 inches.

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

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2. Write an equation that shows 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. Compare measurements with a partner.

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## Activity 2

### A Desktop to Measure

Lin measures her desktop in inches.

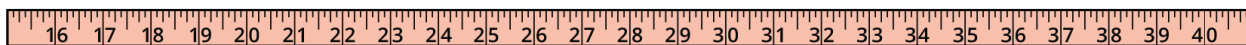
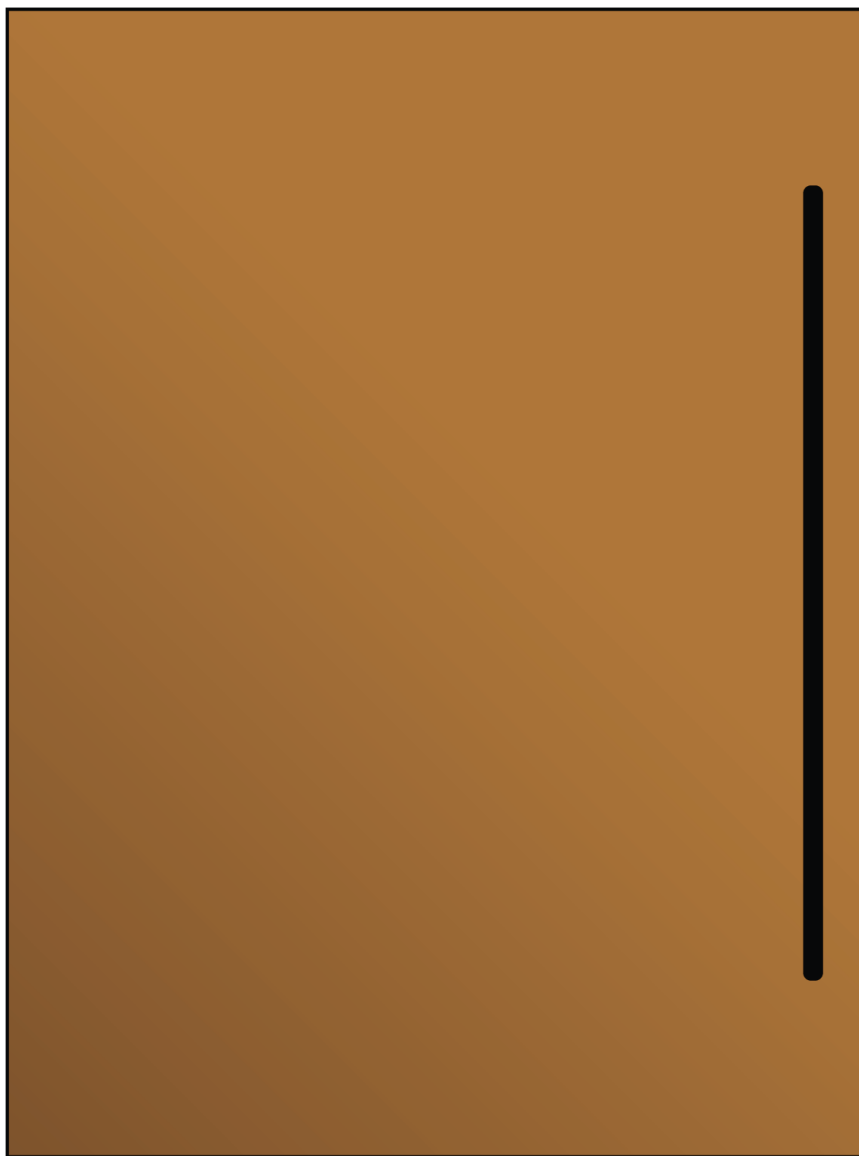
1. What is the length of the long side of the desktop? Show your thinking using drawings, numbers, or words.



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 \_\_\_\_\_.