

Lesson 3: Measure on a Map

- Let's add and subtract measurements of length.

Warm-up: Notice and Wonder: From Sea to Shining Sea

What do you notice? What do you wonder?



3.1: Measure on the Map

Draw a line to represent the distance between cities on the map.
Then measure the length in centimeters.

1. Noah started in Trenton, New Jersey.

- a. First, he traveled to Harrisburg, Pennsylvania. ____ cm
- b. Next, he traveled from Harrisburg to Indianapolis, Indiana.
____ cm
- c. Last, he traveled from Indianapolis to St. Paul, Minnesota.
____ cm

2. Diego started in Sacramento, California.

- a. First, he traveled to Phoenix, Arizona. ____ cm
- b. Next, he traveled from Phoenix to Santa Fe, New Mexico.
____ cm
- c. Last, he traveled from Santa Fe to Topeka, Kansas. ____ cm

3. Lin started in Austin, Texas.

- a. First, she traveled to Oklahoma City, Oklahoma. ____ cm
- b. Next, she traveled from Oklahoma City to Nashville,
Tennessee. ____ cm
- c. Last, she traveled from Nashville to Augusta, Maine. ____
cm

4. Find the total length of each student's trip. Represent the total with an equation.

a. Lin's total

b. Diego's total

c. Noah's total

3.2: How Much Longer?

Use your map and the stories from the previous activity to answer the questions. Represent each story with an equation with a symbol for the unknown length.

1. How much shorter is the total length of Diego's trip than the total length of Lin's trip?

2. How much longer is the total length of Diego's trip than the total length of Noah's trip?

3. How much shorter is the total length of Noah's trip than the total length of Lin's trip?