Unit 4, Lesson 9

The Difference between Numbers

Let's represent ways to subtract on the number line.

Warm-up

Number Talk: Add To

Find the value of each expression mentally.

- $20 - 2$
- $20 - 17$
- $49 - 3$
- $67 - 64$

Activity 1

Add or Subtract

1. What number makes this equation true? _____

   $38 - 4 = ?$

   Show your thinking using the number line.

2. What number makes this equation true? _____

   $75 - 68 = ?$

   Show your thinking using the number line.

3. What number makes this equation true? _____

   $57 - 24 = ?$

   Show your thinking using the number line.

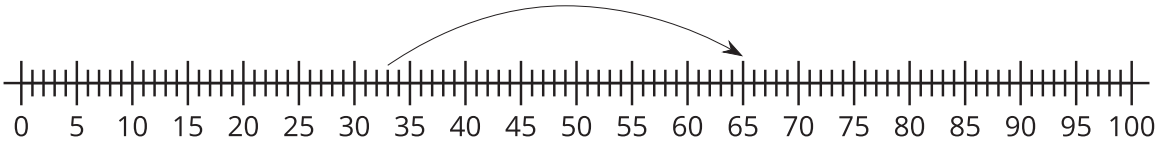
Activity 2

Different Ways to Find the Difference

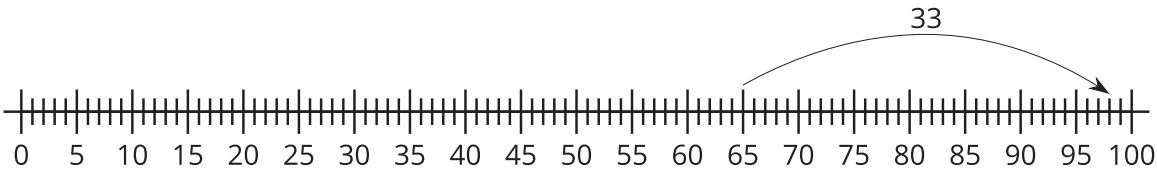
1. Elena's string is much too long. The string is 65 inches long. Elena cuts 33 inches off the length. How long is the string now?

   Choose 2 number lines that show a way to find the length of Elena's string.

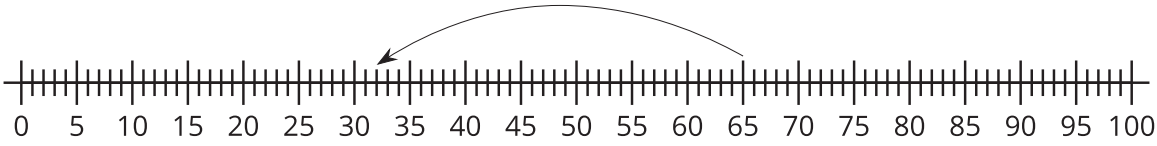
   a.



   b.



   c.



2. Han has 87 inches of string. He cuts off 85 inches of it. How much string does he have left?

   a. Write an equation to represent the problem. Use a ? for the unknown.

   b. Find the number that makes the equation true.

   c. Show your thinking using the number line.

3. Find someone who used a different method.

   Show their method on the number line.