Name _____   Date _____

1. Each unit length on both number lines is 10 centimeters.
   (Note: Number lines not drawn to scale.)

   a. Show 20 centimeters more than 35 centimeters on the number line.

   ├────┼────┼────┼────┼────┼────┤

   b. Show 30 centimeters more than 65 centimeters on the number line.

   ├────┼────┼────┼────┼────┼────┤
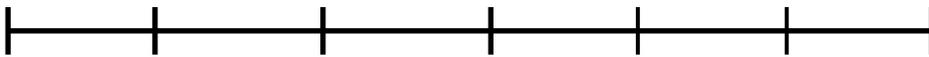
   c. Write an addition sentence to match each number line.

2. Each unit length on both number lines is 5 yards.
   a. Show 35 yards less than 80 yards on the following number line.

   ├───┼───┼───┼───┼───┼───┼───┼───┼───┼───┤
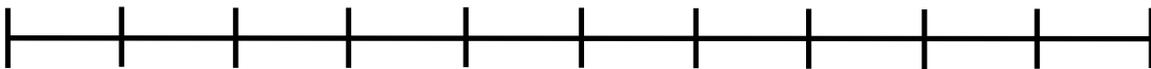
   b. Show 25 yards less than 100 yards on the number line.

   ├───┼───┼───┼───┼───┼───┼───┼───┼───┼───┤

   c. Write a subtraction sentence to match each number line.

3. Laura's meter strip got cut off at 37 centimeters. To measure the length of her screwdriver, she writes "51 cm – 37 cm." Tam says it's easier to move the screwdriver over 3 centimeters. What is Tam's subtraction sentence? Explain why she's correct.

Laura's Idea

37 cm   51 cm

Tam's Idea

37 cm   51 cm
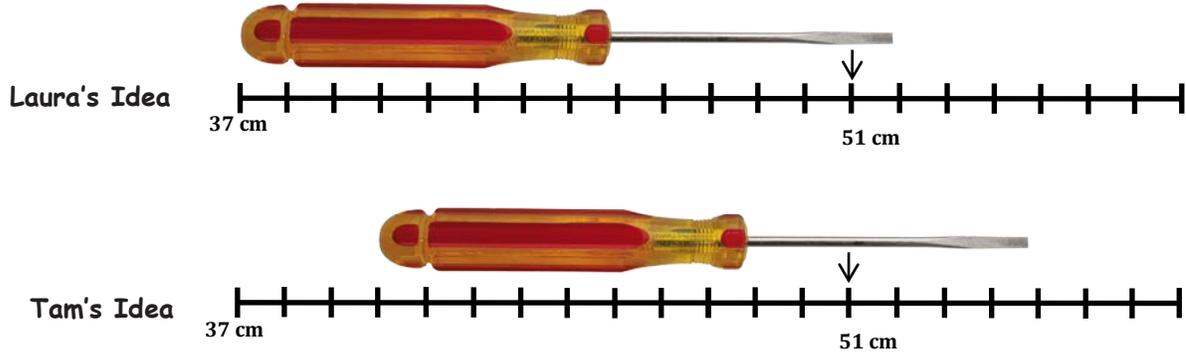
4. Alice measured her belt to be 22 inches long using a yardstick, but she didn't start her measurement at zero. What might be the two endpoints of her belt on her meter stick? Write a subtraction sentence to match your idea.

5. Isaiah ran 100 meters on a 200 meter track. He started running at the 19 meter mark. On what mark did he finish his run?

Lesson 22:   Represent two-digit sums and differences involving length by using the ruler as a number line.

Date: 1/24/14

7.E.39