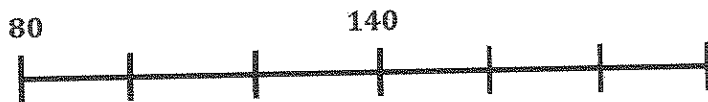


G2-M7-Lesson 22

1. Each unit length on both number lines is 20 feet. (Note: The number lines are not drawn to scale.)

- a. Show 60 feet more than 80 feet on the number line.



I can show 60 more feet on the number line by labeling the endpoint on the left 80 and then counting on 20, 40, 60. It is the same as adding $80 + 60$.

- b. Write an addition sentence to match the number line.

$$80 + 60 = 140$$

- c. Show 80 feet less than 125 feet on the number line.

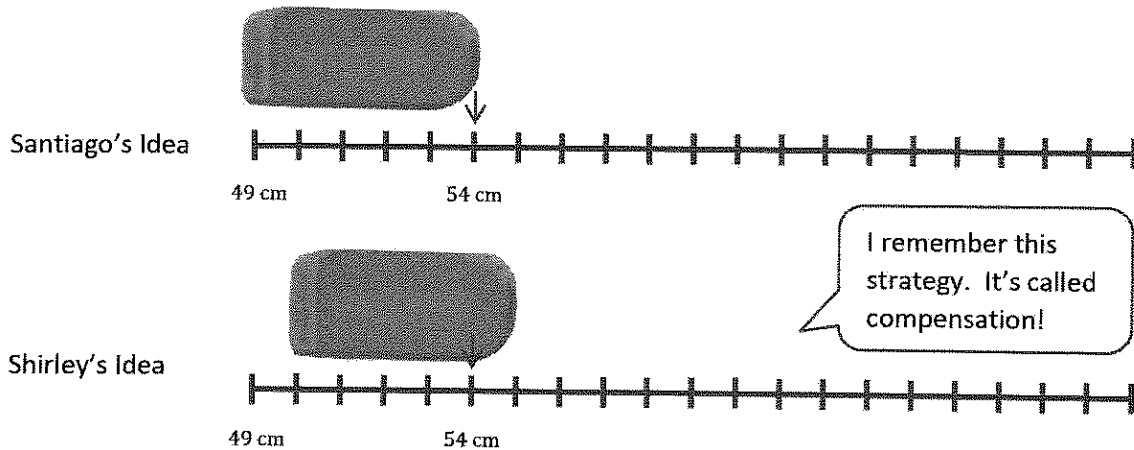


I start by labeling the endpoint on the right. Then I count down by 20's 4 times since it's 80 feet less. Each time, I touch a hash mark on the number line.

- d. Write a subtraction sentence to match the number line.

$$125 - 80 = 45$$

2. Santiago's meter strip got cut off at 49 centimeters. To measure the length of his eraser, he writes " $54 \text{ cm} - 49 \text{ cm}$." Shirley says it's easier to move the eraser over 1 centimeter. What will Shirley's subtraction sentence be? Explain why she is correct.



Shirley's subtraction sentence is $55 - 50 = 5$. She knows she can move the eraser on the number line, and the length will stay the same. By moving it one unit to the right, she makes an easier problem to solve. $54 - 49$ also equals 5, but it's easier to subtract a friendly number like 50 because she only has to subtract the tens.