## Unit 3 Lesson 9: Differences of Fractions

### WU True or False: Sums of Tenths (Warm up)

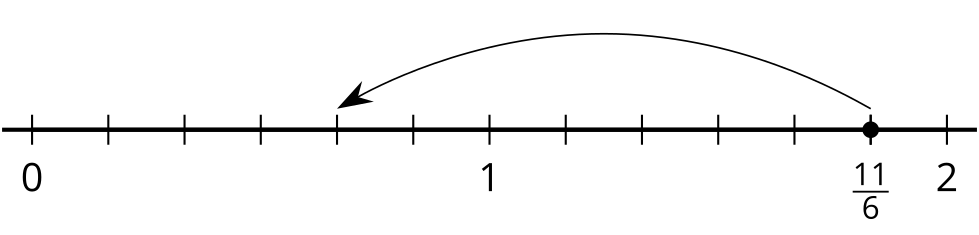
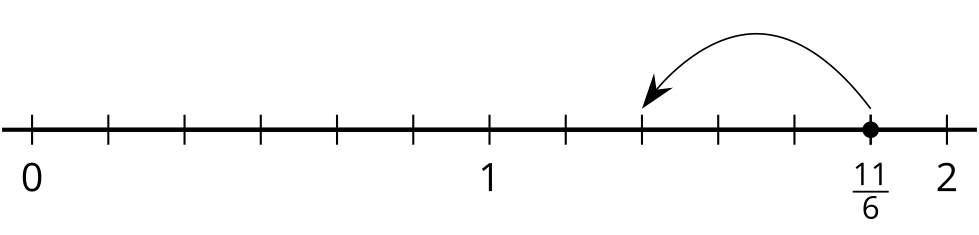
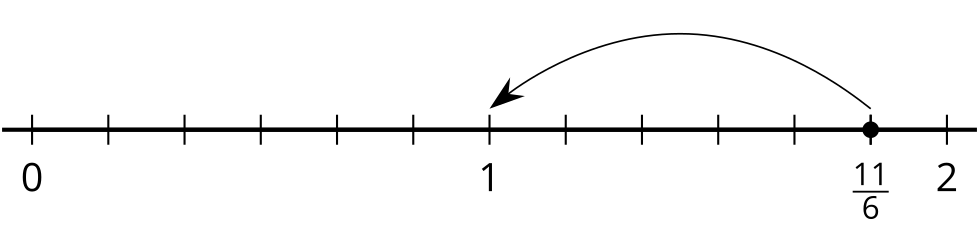
#### Student Task Statement

Decide if each statement is true or false. Be prepared to explain your reasoning.

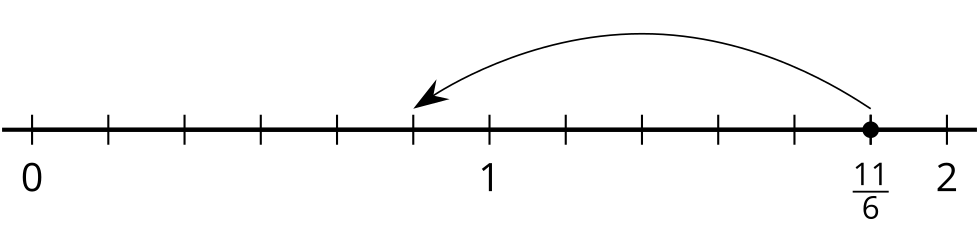
### 1 Jump to Subtract

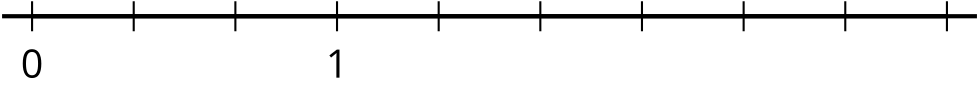
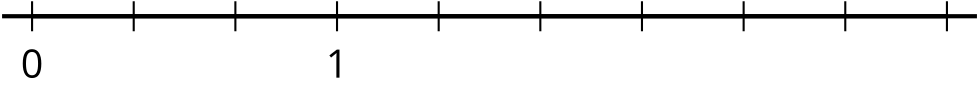
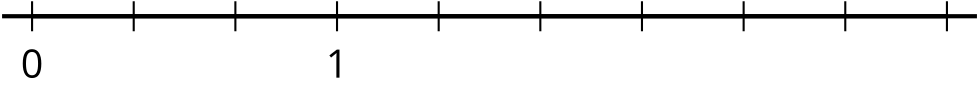
#### Student Task Statement

1. To subtract different fractions from , Noah draws “jumps” on number lines.

* 
* 
* 
  1. The first diagram shows how he finds . What is the value of ?
  2. Write an equation to show the difference represented by each of Noah’s diagrams.

1. Here is another diagram Noah draws:

* 
* Which equations could the diagram represent? Explain your reasoning.

1. Use a number line to represent each difference and to find its value.
   * 
   * 
   * 

### 2 What’s the Difference?

#### Student Task Statement

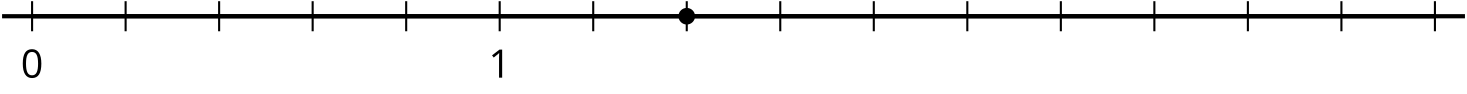
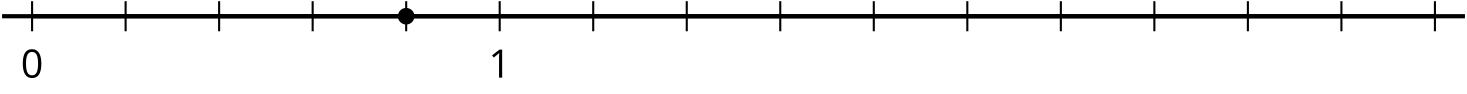
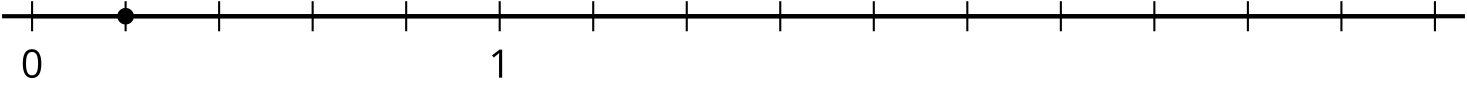
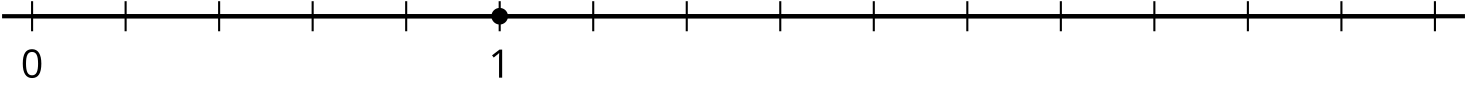
Use a number line to represent each difference and to find its value.

* 
* 
* 
* 
* 
* 

### 3 Make a Jump, Subtraction Edition (Optional)

#### Student Task Statement

Here are four number lines, each with a point on it. Label each point with a fraction it represents.

1. 
2. 
3. 
4. 

The point you labeled is your target.

* Pick a card from the set given to you. Locate and label the fraction on the number line.
* From that point, draw one or more jumps to reach the target. What do you need to subtract? Label each jump you draw.
* Write an equation to represent the difference of your two fractions.



© CC BY 2021 Illustrative Mathematics®