Adding and Subtracting Fractions with Like Denominators

Name _____

Vocabulary

The following <u>properties of addition</u> are true for all real numbers.
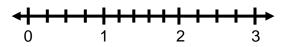
Commutative Property:

a + b = _____

Associative Property:

(a + b)+ c = _____

Inverse Property:

a + (– a) = _____

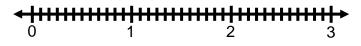**Identity Property:**

a + 0 = _____

In this activity, you will add and subtract fractions using a number line.

1. If the sum of two fractions with denominators of 4 is $\frac{7}{4}$, what could be the fractions that were added? Draw the fractions on the number line to show the addition.

_____

2. Find $\frac{7}{10} - \frac{2}{10}$. Explain your answer using unit fractions.

_____

3. Tomas ran $\frac{5}{12}$ of a mile. How much farther would he have to run to complete two miles?

_____

4. 🎯 If six equivalent unit fractions are added together and the sum is one, what are the addends? Explain in terms of unit fractions why your answer makes sense.

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