

Exit Ticket Sample Solutions

1. Refer to the diagram to the right.

- a. Write an equation for the diagram below.

$$-5 + (-4) = -9$$

- b. Find the sum.

$$-9$$

- c. Describe the sum in terms of the distance from the first addend. Explain.

The sum is 4 units below -5 because $|-4| = 4$. I counted down from -5 four times and stopped at -9 .

- d. What integers do the arrows represent?

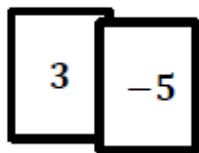
The arrows represent the integers -4 and -5 .



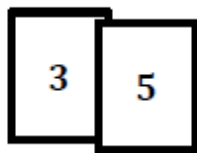
2. Jenna and Jay are playing the Integer Game. Below are the two cards they selected.

- a. How do the models for these two addition problems differ on a number line? How are they the same?

Jenna's Hand



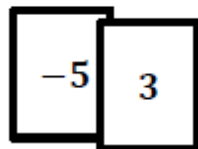
Jay's Hand



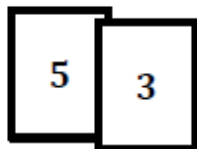
The p-values are the same. They are both 3, so the heads of the first arrows will be at the same point on the number line. The sums will both be five units from this point but in opposite directions.

- b. If the order of the cards changed, how do the models for these two addition problems differ on a number line? How are they the same?

Jenna's Hand



Jay's Hand



The first addends are different, so the head of the first arrow in each model will be at different points on the number line. The sums are both three units to the right of the first addend.