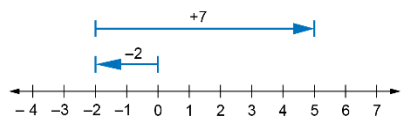


# Lesson 9 Assessment

## Adding and Subtracting Integers

### Adding and Subtracting Integers

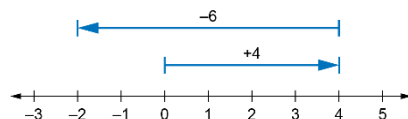
Interprets a given model of integer addition or subtraction



"The arrow to the left represents  $-2$  and the arrow to the right represents  $+7$ . This model shows that  $(-2) + (+7) = (+5)$ ."

Adds or subtracts integers by creating and using a model

"I can use a number line to determine the sum  $4 + (-6)$ ."



The sum is  $-2$ ."

Adds or subtract integers by using observed patterns

Find:  $-3 - (-5)$

"I know that  $-3 - (-5) = -3 + 5 = 2$ "

Uses integer addition or subtraction to model and solve a scenario

An elevator travels up 5 floors from ground level, down 3 floors, and then up 8 floors. What floor does the elevator end up on?

"I used positive numbers to represent moving up, negative to represent moving down and 0 for the ground floor. The position of the elevator can be described as  $(+5) + (-3) + (+8)$ , which is equal to  $5 - 3 + 8$ , or 10. The elevator ends up on the 10th floor."

### Observations/Documentation