LESSON MAKER PRO

# Integer Moves

*Show how scores change above and below zero.*

**GRADE 6 · 6.N.2.2**

**6.N.2.2** "Illustrate addition and subtraction of integers using a variety of representations."

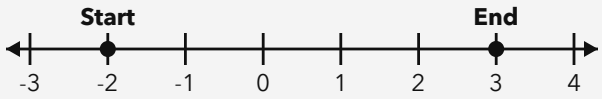
NAME _____ DATE _____

## THREE WAYS TO SHOW IT

On a number line, add a positive integer by moving right and a negative integer by moving left. To subtract, add the opposite. In a zero-pair model, one positive and one negative cancel.

## WORKED EXAMPLE

Find -2 - (-5) using the number line.




1. Rewrite as -2 + 5.
2. Move 5 units right from -2.
3. Land at 3.

**Answer: -2 - (-5) = 3**

## PRACTICE 4 problems

**1** Use a number line to find -7 + 4.

**ANSWER** _____

**2** Use zero pairs to find 9 + (-13).

**ANSWER** _____

**3** Rewrite 8 - (-6) as addition. Find its value.

**ANSWER** _____

_____

**4** Rewrite -10 - 7 as addition. Find its value.

**ANSWER** _____

_____

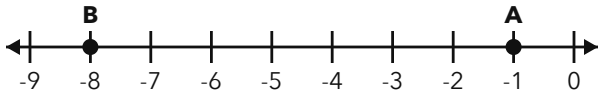
## APPLY IT Show your work

**1** In a game, Kai has -9 points and earns 11 points. What is Kai's new score? Write an integer equation.

WORK SPACE

**ANSWER** _____

**2** A game score changes from A to B. What is the signed change? Write a subtraction equation.




**ANSWER** _____

## CHALLENGE One step up

A game score starts at -6. It drops by 4 points, then rises to 1 point. How many points did it rise? Show an equation.

WORK SPACE AND ANSWER

**ANSWER KEY**

# Integer Moves

**GRADE 6 · 6.N.2.2**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | Use a number line to find -7 + 4. | **-3** |
| 2 | Use zero pairs to find 9 + (-13). | **-4** |
| 3 | Rewrite 8 - (-6) as addition. Find its value. | **8 + 6 = 14** |
| 4 | Rewrite -10 - 7 as addition. Find its value. | **-10 + (-7) = -17** |

## PART 2 · APPLY IT

1. **-9 + 11 = 2 points** Add 11 to the starting score of -9.
2. **-8 - (-1) = -7 points** Subtract the starting score, -1, from the ending score, -8.

## CHALLENGE

**11 points; -6 + (-4) + 11 = 1**

Accept equivalent integer equations. For the number-line and zero-pair items, look for a model that matches the stated answer.