

# Negative Numbers

## Practice — ANSWER KEY

Adding and subtracting across zero.

**Think:** Adding moves you RIGHT; subtracting moves you LEFT — even when you start below zero.

### 1. Answers with the thinking.

1) Compute:  $-10 + 18 = ?$  **8**

↳ start at -10, move 18 right

3) Compute:  $-4 + 17 = ?$  **13**

↳ start at -4, move 17 right

5) Compute:  $-8 - 11 = ?$  **-19**

↳ move 11 further left

7) Compute:  $-11 - 2 = ?$  **-13**

↳ move 2 further left

9) Compute:  $-3 + 14 = ?$  **11**

↳ start at -3, move 14 right

11) The temperature is  $-8^{\circ}\text{C}$ . It rises by 2 degrees. What is the temperature now?  **$-6^{\circ}\text{C}$**

↳  $-8 + 2$

2) The temperature is  $-11^{\circ}\text{C}$ . It rises by 12 degrees. What is the temperature now?  **$1^{\circ}\text{C}$**

↳  $-11 + 12$

4) Compute:  $-9 + 20 = ?$  **11**

↳ start at -9, move 20 right

6) Compute:  $-10 - 5 = ?$  **-15**

↳ move 5 further left

8) Compute:  $-9 + 11 = ?$  **2**

↳ start at -9, move 11 right

10) The temperature is  $-4^{\circ}\text{C}$ . It rises by 9 degrees. What is the temperature now?  **$5^{\circ}\text{C}$**

↳  $-4 + 9$

12) The temperature is  $-1^{\circ}\text{C}$ . It rises by 14 degrees. What is the temperature now?  **$13^{\circ}\text{C}$**

↳  $-1 + 14$