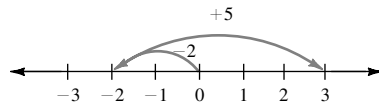


# 5.4

## Addition of Positive and Negative Integers

### • Example 1

Find the sum  $-2 + 5$ .



Since the first addend is *negative*, we start by moving *left*.

First move 2 units *to the left* of 0. Then, to add 5, move 5 units back *to the right*. We see that

$$-2 + 5 = 3$$

### • • • CHECK YOURSELF 1

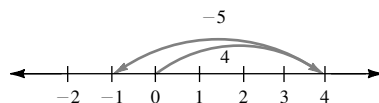
Find the sum.

$$-7 + 9$$


---

### • Example 2

Find the sum  $4 + (-5)$ .



Move 4 units *to the right* of 0. Then move 5 units back *to the left* to add negative 5.

$$4 + (-5) = -1$$

### • • • CHECK YOURSELF 2

Find the sum.

$$3 + (-7)$$


---

### • • • CHECK YOURSELF ANSWERS

1. 2.      2. -4.
-

# 5.4 Exercises

Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

## A N S W E R S

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

Add.

1.  $4 + (-6)$

2.  $9 + (-2)$

3.  $(-11) + 5$

4.  $5 + (-8)$

5.  $(-16) + 15$

6.  $(-12) + 10$

7.  $-9 + 10$

8.  $-6 + 8$

9.  $5 + (-20)$

10.  $7 + (-13)$

11.  $-8 + 5$

12.  $-7 + 3$

13.  $6 + (-3)$

14.  $11 + (-7)$

15.  $7 + (-2)$

16.  $8 + (-9)$

17.  $-10 + 7$

18.  $9 + (-5)$