

# Reteaching 1-4

## Adding Real Numbers

**OBJECTIVE:** Adding integers and decimals**MATERIALS:** None

Review the following addition rules.

- To add two numbers with the same sign, *add* their absolute values. The sum has the same sign as the numbers.
- To add two numbers with different signs, find the *difference* of their absolute values. The sum has the same sign as the number with the greater absolute value.

**Example**

The following example shows you step by step how to add two numbers with different signs.

$-6 + 2$

6 - 2 ← Find the difference of their absolute values.

4 ← Subtract.

-4 ← Since -6 has the greater absolute value, the answer takes the negative sign.

**Exercises**

Simplify. Be sure to check the sign of your answer.

1.  $-3 + (-4)$

2.  $12 + 5$

3.  $-5 + 8$

4.  $-8 + (-2)$

5.  $-2 + (-3)$

6.  $9 + (-12)$

7.  $-3 + 5$

8.  $-4 + 3$

9.  $-2.3 + (-1.5)$

10.  $4.5 + 3.1$

11.  $-5.1 + 2.8$

12.  $13.9 + 7.3$

13.  $1.3 + (-1.1)$

14.  $-3.6 + (-6.7)$

15.  $1.4 + (-21.4)$

16.  $-9.8 + 3.5$

Evaluate each expression for  $a = 5$  and  $b = -4$ .

17.  $-a + (-b)$

18.  $-a + b$

19.  $a + b$

20.  $a + (-b)$

Evaluate each expression for  $h = 3.4$ .

21.  $2.5 + h$

22.  $-2.5 + h$

23.  $2.5 + (-h)$

24.  $-2.5 + (-h)$

25.  $h + 7.1$

26.  $-h + 7.1$

27.  $h + (-7.1)$

28.  $-h + (-7.1)$

