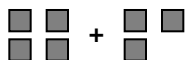


Reteaching 1-5 Adding Integers

Use tiles and the rules for adding integers to find each sum.

a. $-4 + -3$

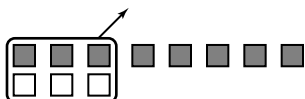


Four negative tiles plus 3 negative tiles gives 7 negative tiles.

$$-4 + -3 = -7$$

The sum of two negative integers is negative.

b. $-8 + 3$



Remove zero
pairs

Since the signs of the integers are different, you must remove zero pairs. The number of tiles left is the number of negative tiles $|-8|$ minus the number of positive tiles $|3|$. Thus, you can always subtract the absolute values of the numbers to find how many tiles will be left.

$$|-8| - |3| = 5$$

Since there are more negative tiles than positive tiles, $|-8| > |3|$, there are negative tiles left after you subtract zero pairs. Thus, the sum is negative.

$$-8 + 3 = -5$$

Use rules or tiles to find each sum.

1. $9 + (-12)$

2. $-4 + 10$

3. $-1 + (-8)$

4. $-6 + (-11)$

5. $-5 + 15$

6. $2 + (-14)$

7. $(-3) - 6$

8. $-(-2) + 9$

9. $(-2) - 4$

10. $-5 - (-4)$

11. $7 + (-2)$

12. $16 + (-6)$
