

LESSON

**Algebra Lab Recording Sheet** pp. 538–539

**8-3** *Model Factorization of Trinomials*

**Try This**

Use algebra tiles to find each sum.

1.  $x^2 + 2x + 1$

Answer \_\_\_\_\_

2.  $x^2 + 3x + 2$

Answer \_\_\_\_\_

3.  $x^2 + 6x + 5$

Answer \_\_\_\_\_

4.  $x^2 + 6x + 9$

Answer \_\_\_\_\_

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**8-3** **Model Factorization of Trinomials** continued

5.  $x^2 + 5x + 4$

Answer \_\_\_\_\_

6.  $x^2 + 6x + 8$

Answer \_\_\_\_\_

7.  $x^2 + 5x + 6$

Answer \_\_\_\_\_

8.  $x^2 + 8x + 12$

Answer \_\_\_\_\_

**Activity 2**

**Try This**

1. Why can you add one red  $x$ -tile and one yellow  $x$ -tile?

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