Multiplying Polynomials with an Area Model- Part 2

1. Problem

$2x \bullet 2x$

Picture	Equation

2. Problem

$(x+6)(x+1)$

Picture	Equation

3. Problem

$(3x+2)(x+1)$

Picture	**Equation**

4. Problem

$(x+1)(x+2)$

Picture	**Equation**

5. Problem

$(2x+1)^2$

Picture	**Equation**

6. Problem

$(x+3)^2$

Picture	**Equation**

7. Problem

$4(x+3)$

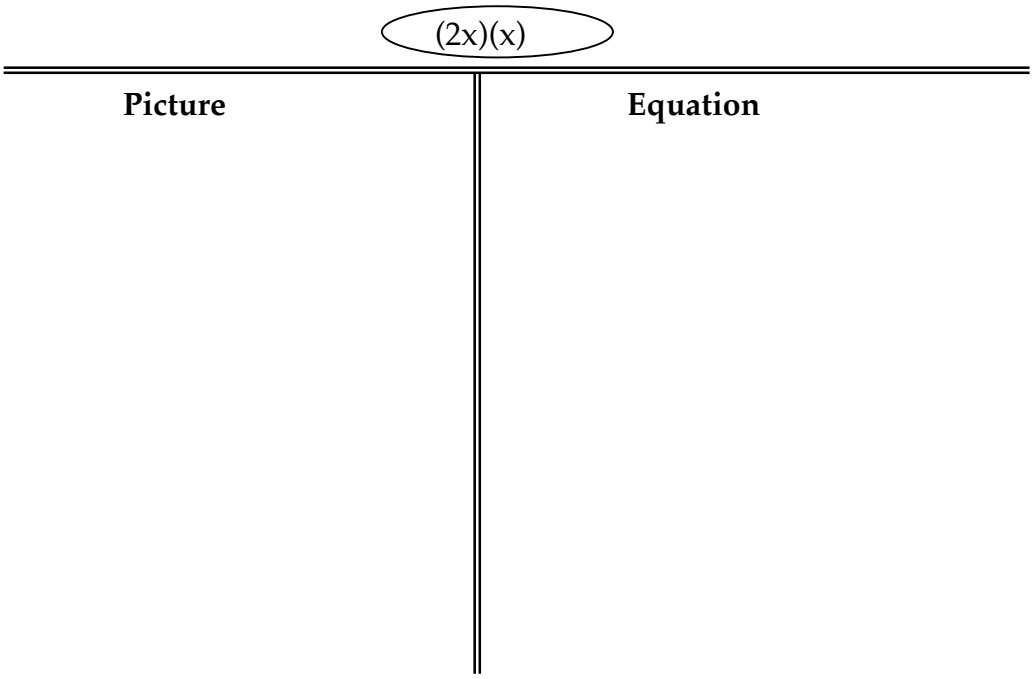
Picture	**Equation**

8. Problem

$3x \bullet 2x$

Picture	**Equation**

9. Problem



10. Noticing Patterns: Use your tiles and an area model to help you answer the following questions.

a) If you multiply an x with another x, what will you get?

ex. $x \bullet x =$ _____ $2x \bullet 4x =$ _____

Multiplying an x with another x will result in _____.

b) If you multiply an x by a whole number or a whole number by an x, what will you get? _____

ex. $x \bullet 3 =$ _____ $4 \bullet 2x =$ _____ $3 \bullet 2x =$ _____

Multiplying an x by a whole number or a whole number by an x, will result in _____.

c) If you multiply a whole number by a whole number, what will you get? _____

ex. $4 \bullet 5 =$ _____ $2 \bullet 3 =$ _____

Multiplying a whole number by another whole number will result in _____.