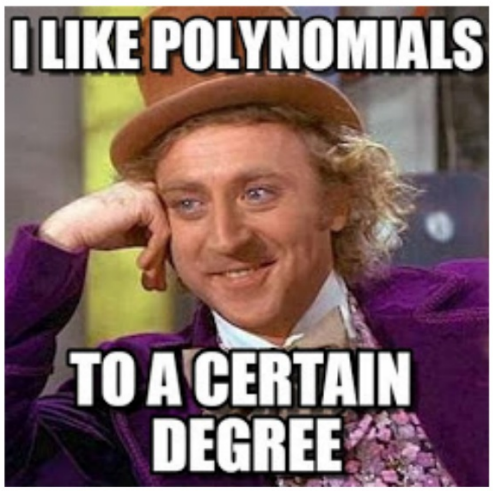
MODELING MULTIPLICATION



MULTIPLYING POLYNOMIALS

There are 3 methods we can use for multiplying binomials.

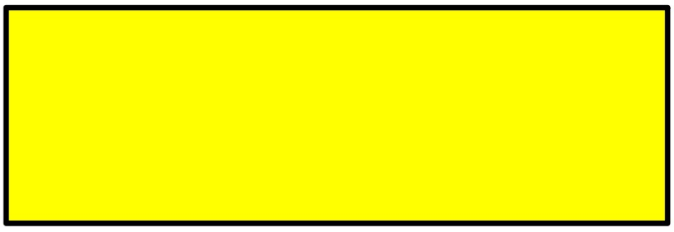
1. Algebra tiles
2. Punnett Square
3. Distributive property

Monomial
One term

two terms

Remember:
An example of a binomial is

3x + 4y

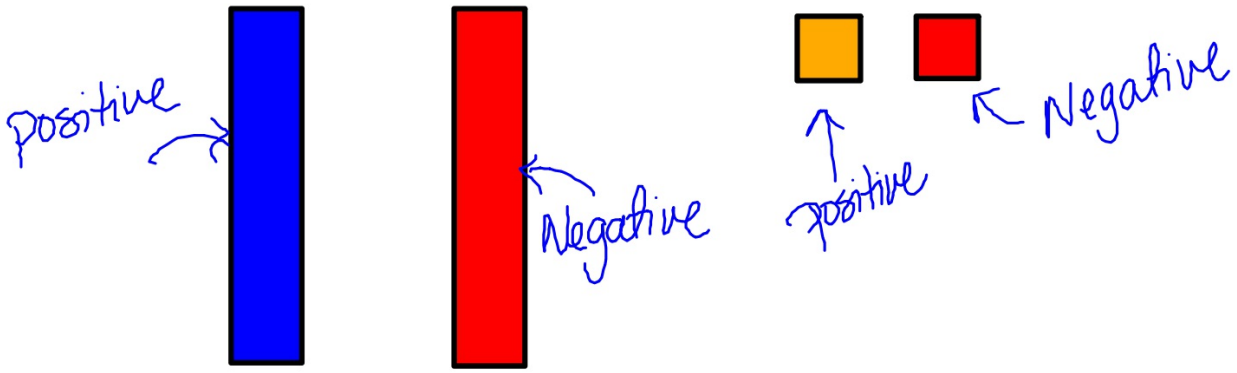


Do you remember a multiplcation table?

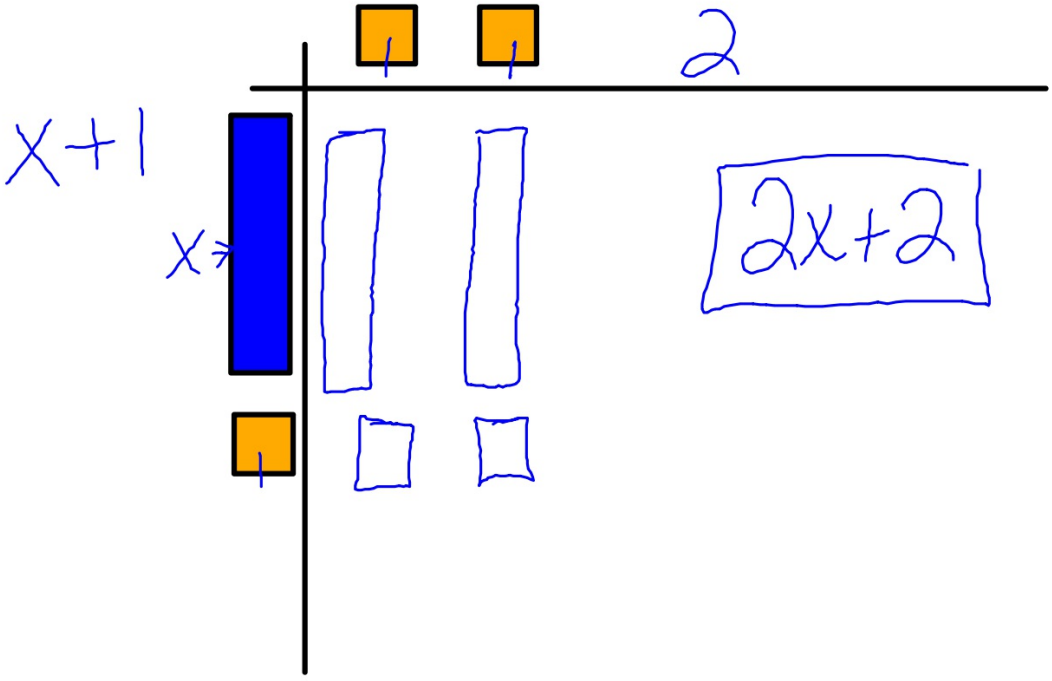
X	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5							35					
6												
7												
8												
9												
10												
11												
12												

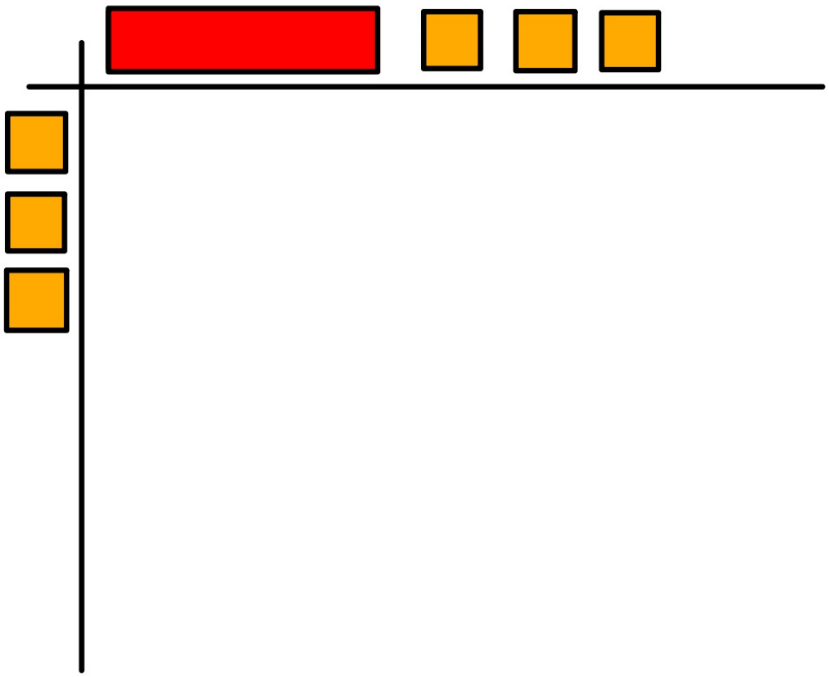
Let's keep that same concept and use algebra tiles

Represent x **Represent 1's**



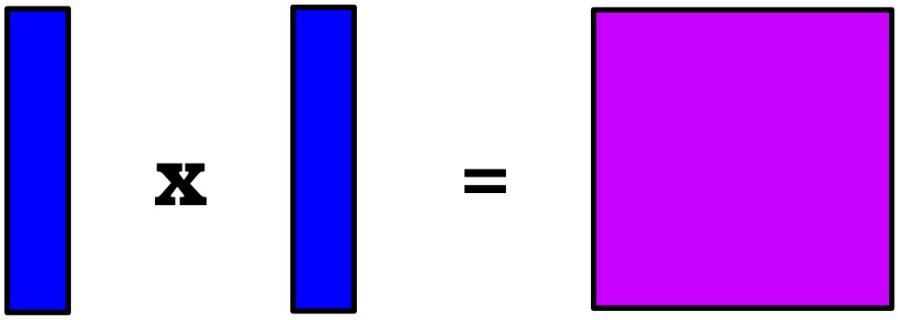
Multiply using the algebra tiles

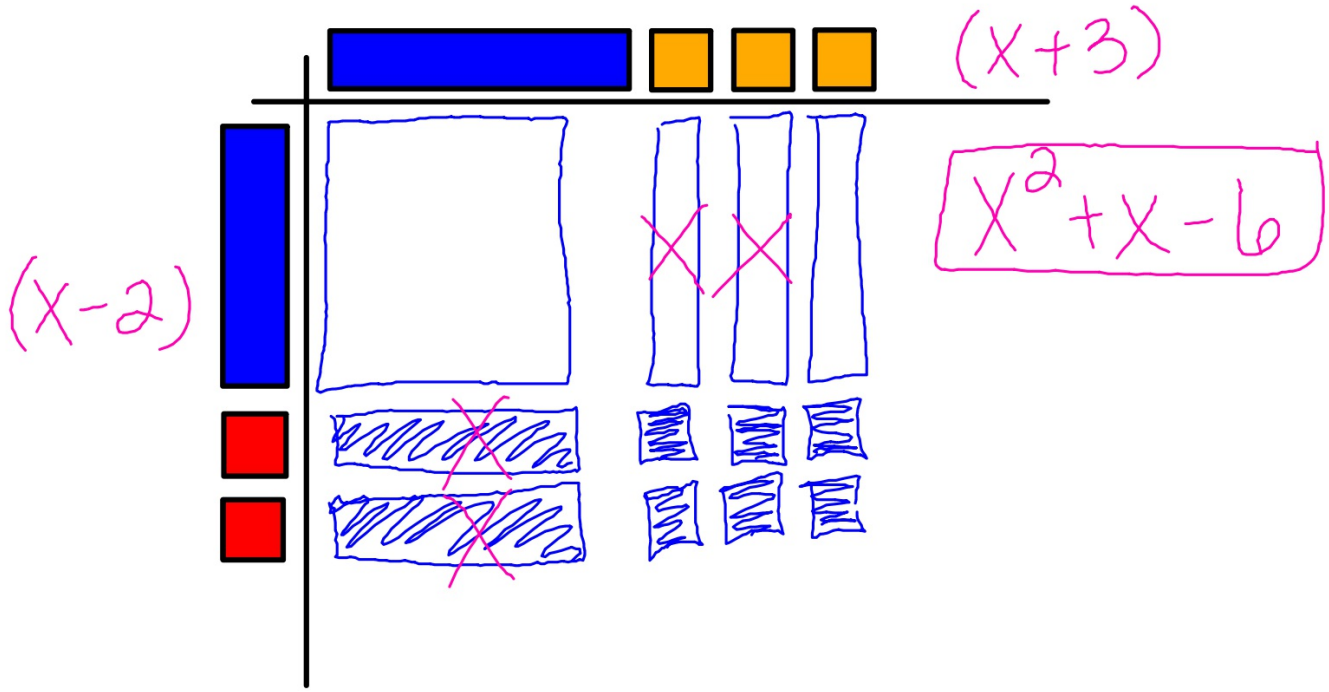


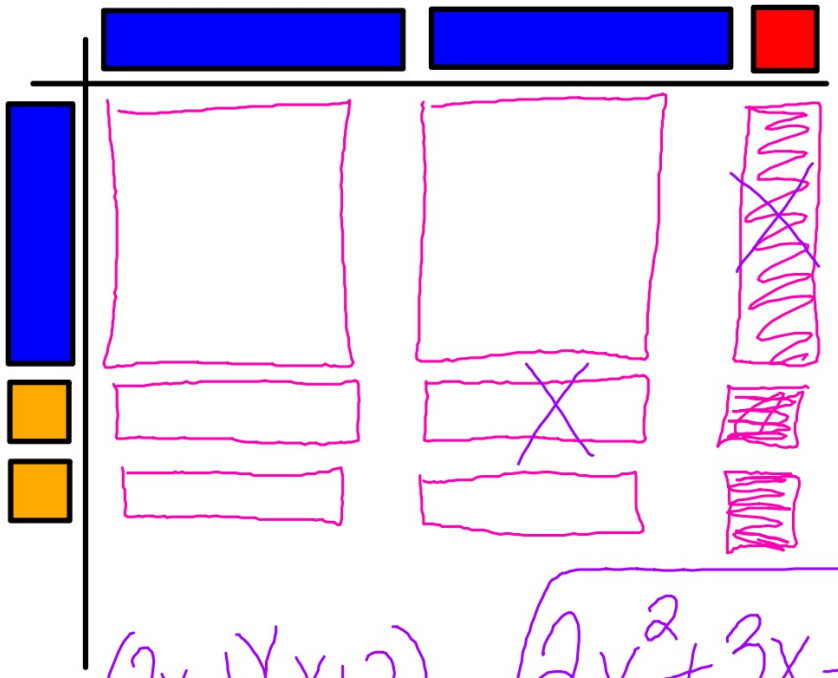


What happens when we multiply x times x?

$x^1 \cdot x^1 = x^2$

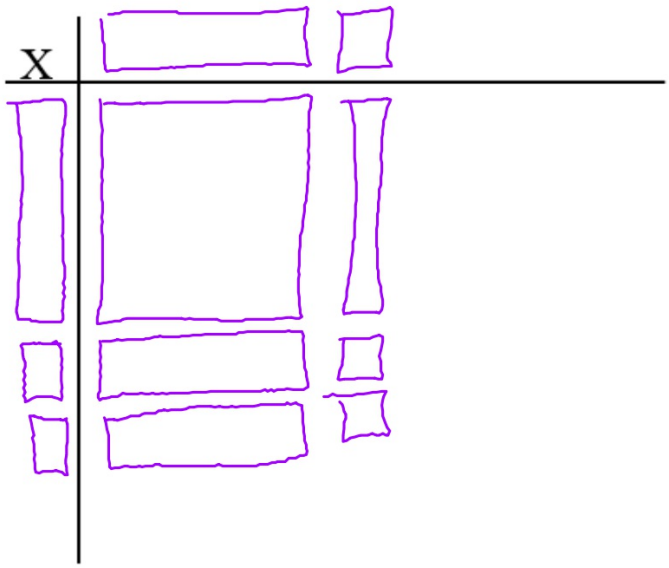



(x+3)
(x-2)
x²+x-6



$(2x-1)(x+2) = 2x^2+3x-2$

1. $(x + 1)(x + 2) =$ x^2+3x+2



2. $(x - 1)(x + 1) =$ _____