

## WARM UP: Algebra Tiles

Show the following using algebra tiles:

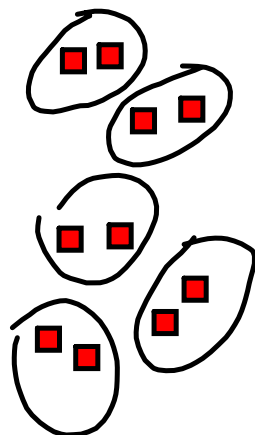
1.  $(5)(2)$
2.  $(5)(-2)$
3.  $4(3x)$
4.  $(-4)(3x)$
5.  $(2x)(x)$
6.  $(2x)(x + 3)$

What is the pattern you notice?



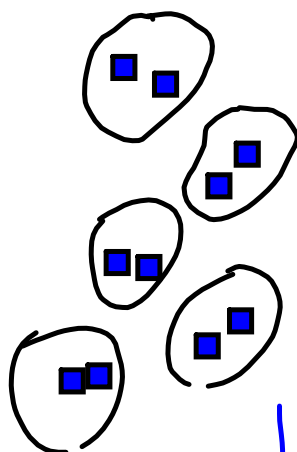
### Strategy #1: Multiplication = "Groups of"

1.  $(5)(2)$



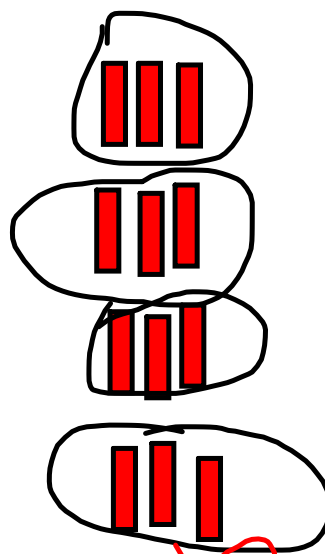
$$= 10$$

2.  $(5)(-2)$



$$= -10$$

3.  $4(3x)$



$$= 12x$$



**Strategy #2: Multiplication length x width = AREA**

