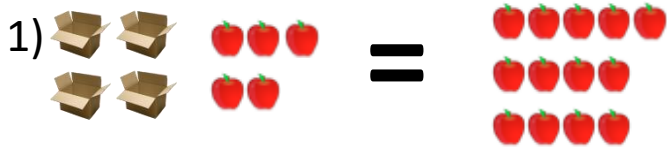
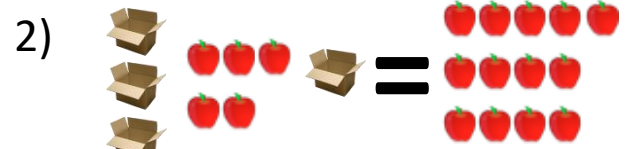



Exploration: Variables on Both Sides of an Equation


NAMES: \_\_\_\_\_

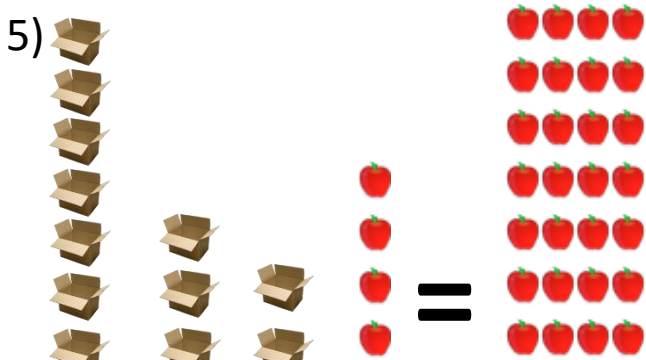
INSTRUCTIONS: For each problem, figure out how many apples would have to go in each box to make both sides equal. You must show your answer using the diagram AND using the equation.

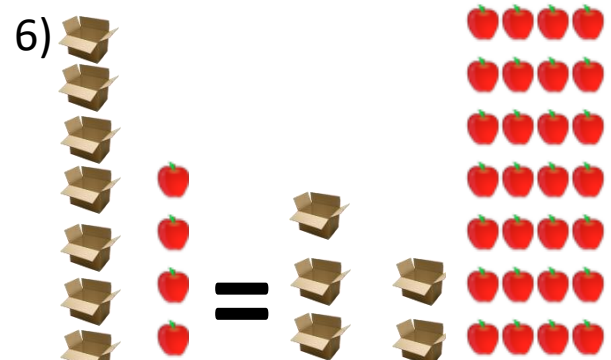
1)   $4b + 5 = 13$

2)   $3b + 5 + b = 13$

3)   $3b + 2b = 15$

4)   $3b = 2b + 15$

5)   $7x + 3x + 2x + 4 = 28$

6)   $7x + 4 = 3x + 2x + 28$

7) If 2 terms with a variable are on the same side of an equation, what should you do?

8) If 2 terms with a variable are not on the same side of an equation, what should you do?