

# Warmup 11/ (The smallest “abundant” number)

1. Create your own equation that has a solution of 5. The equation should only have variables on one side.
2. Create another equation that has a solution of 5, but this time, it should have variables on **both sides**.
3. Create as many equations as you can think of that have a solution of  $\frac{1}{2}$ . They can be as simple as complex as you like. Mr. Lischwe's favorite answer will win a small prize.

# This week:

- **Today & Tomorrow:** Distributive Property + Review
- **Thursday:** QUIZ on solving equations

# ON THE BACK (AND in a different color):

- You must **redo** the ones you got wrong until you figure out how to get the right answer.
- If you got a 100% or when you have finished your corrections, you have permission to **float around and help people!** Take your worksheet with you so that you can help them better.

# Equations Worksheet:

CHECK YOUR ANSWERS. Write the correct answer in a different color if you got it wrong!

1)  $x = 3$

2)  $x = \frac{13}{3}$  or  $4\frac{1}{3}$  or  $4.\bar{3}$

3)  $x = 6$

4)  $x = 45$

5) (check)

6)  $a = 32$

7)  $a = -5$

8)  $x = \frac{27}{10}$  or  $2\frac{7}{10}$  or  $2.7$

9) (check)

10)  $n = 15$

11)  $n = 3$

12)  $n = -10$

13)  $n = \frac{13}{2}$  or  $6\frac{1}{2}$  or  $6.5$

14)  $p = 7$

15)  $p = -10$

16)  $p = 8$

17)  $p = \frac{9}{8}$  or  $1\frac{1}{8}$  or  $1.125$

18)  $g = 5$

19)  $g = 50$

20)  $g = -4$

21) (check)

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## Equations with Distributive Property

### Objective:

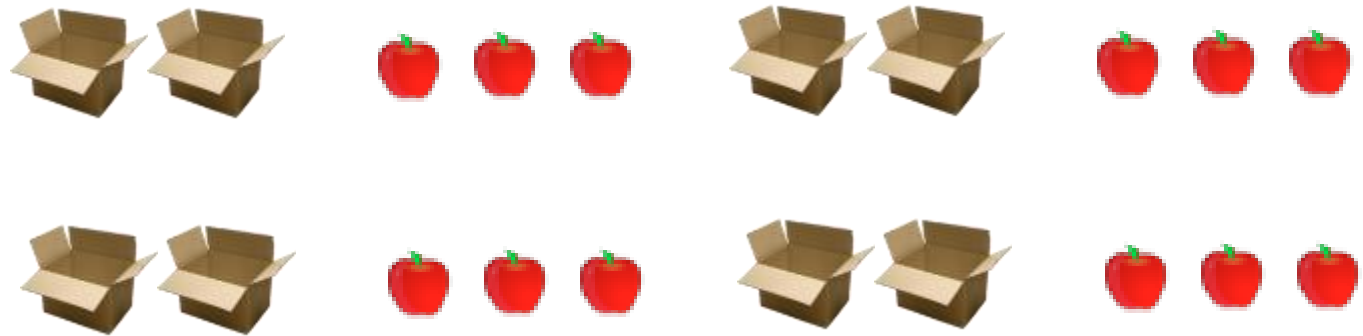
**-Solve equations using the distributive property**

A visual way to understand the distributive property:

$$4(2x + 3)$$

Q: How would I show it with boxes and apples?

**COPY!!!**



(4 groups. Each group has  $2x + 3$ .)

# Distributive Property

- Distribute:

$$4(x - 2)$$

$$4x - 8$$

$$3(4x + 1)$$

$$12x + 3$$

$$-2(3a - 4b + 7)$$

$$-6a + 8b - 14$$



**For your notes:**

**Distribute and combine like terms:**

$$-4(5a - 3) + 12a - 8$$

# Homework

Distributive Property Half-Sheet