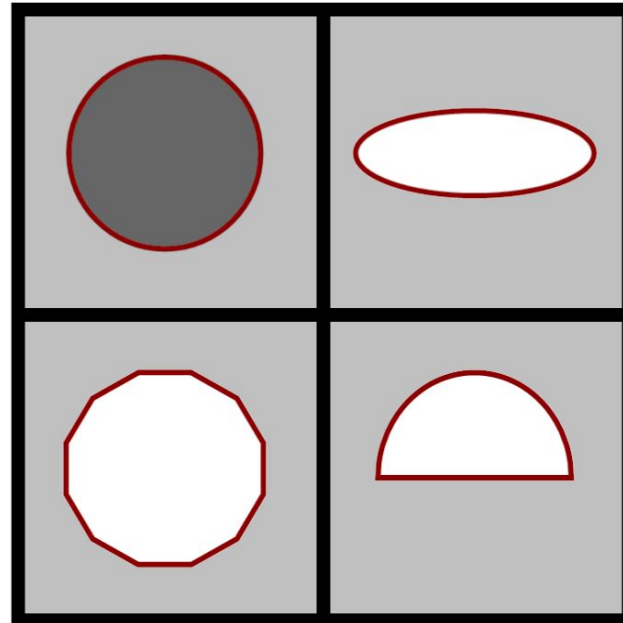


WARMUP 8/(6 - -6)

- Get a warmup sheet from my desk. Put your name on it and keep it in your binder until the end of the week!
- Work on today's warmup, but try not to work ahead!



GOING OVER THE LISCHWE AGE PROBLEM



WRITE AS AN EXPRESSION:

- **Sunny earns \$12 per hour delivering cakes. She worked for x hours this week. Unfortunately, she was charged \$15 for a late delivery on Tuesday. How much money did Sunny earn this week?**

$$12x - 15$$



WRITE AS AN EXPRESSION:

- **Brady had \$250. Then he and his classmates bought a present for their teacher, evenly splitting the cost among the 24 of them. How much money does Brady have left? Write your answer as an expression.**

$$250 - \frac{x}{24}$$



COMBO MEALS

- Suppose you can buy a combo meal that includes 2 tacos and a soda.



- What if you wanted **THREE** of these combo meals??? How could you show that?



DISTRIBUTIVE PROPERTY

one combo meal

$$3 \left(2 \text{ 🌮} + \text{ 🍷} \right) = 6 \text{ 🌮} + 3 \text{ 🍷}$$

$$3(2t + d) = 6t + 3d$$



DISTRIBUTIVE PROPERTY

$$5(x + 3) - 7$$
$$5x + 15 - 7$$

$$5x + 8$$

$$9(a - 3) - 4$$
$$9a - 27 - 4$$

$$9a - 31$$

$$4a - (a - 1)$$
$$4a - a + 1$$

$$3a + 1$$

$$5x - (x + 1) - 2x$$
$$5x - x - 1 - 2x$$

$$2x - 1$$



DISTRIBUTE AND SIMPLIFY

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

$$x + 1 - x - 2$$

$$-1$$

$$2x + 3 - (2x + x - 6)$$

$$2x + 3 - (3x - 6)$$

$$2x + 3 - 3x + 6$$

$$-1x + 9 \text{ or } -x + 9$$



EQUATIONS

- In an expression, the variable could represent **ANYTHING!!!**

$$3x - 1$$

- In an equation, there is only **ONE** number the variable could be. (Usually)
- To **SOLVE** an equation is to find which value of the variable makes the equation true.

$$3x - 1 = 17$$

$x = 6$



SOLVE EACH EQUATION

$$\begin{array}{r} x + 6 = 11 \\ -6 \quad -6 \\ \hline x = 5 \end{array}$$

$$\begin{array}{r} 4x = 36 \\ \hline 4 \quad 4 \end{array}$$

$$x = 9$$



SOLVE EACH EQUATION

$$\begin{array}{r} 8x - 10 = 22 \\ \hline \end{array}$$

$+10$ $+10$

$$\frac{8x}{8} = \frac{32}{8}$$

$x = 4$

$$\begin{array}{r} 2x + 5 = 20 \\ \hline \end{array}$$

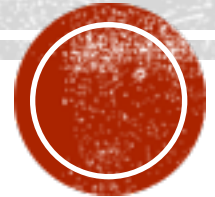
-5 -5

$$\frac{2x}{2} = \frac{15}{2}$$

$x = \frac{15}{2}$ or $7\frac{1}{2}$ or 7.5



BOXES AND APPLES



HOMework: WORKSHEET

