SSR

Read silently until 9:15

Dec 3-10:13 PM

Opener

1. Suppose a 24-acre plot of land is being divided into $\frac{1}{3}$-acre lots for a housing development. How many lots will there be in the development?

2. Simplify: $2x - 9x + 8x - 12$

3. Todd can run $\frac{1}{4}$ mile in 1 1/3 minutes. What is his speed in miles per minute?

$\frac{24}{\frac{1}{3}}$ $\quad \frac{24}{1} \cdot \frac{3}{1} = 72$ lots

$2x + -9x + 8x + -12$

$2x + -9x + 8x$

$-7x + 8x$

$x + -12$

$x - 12$

$\frac{1/4 \text{ mi}}{4/3 \text{ min}}$ $\quad \frac{1}{4} \cdot \frac{3}{4} = \frac{3}{16}$ miles per min.

Sep 28-12:32 PM

Learning Target

I can solve and graph an inequality on a number line.

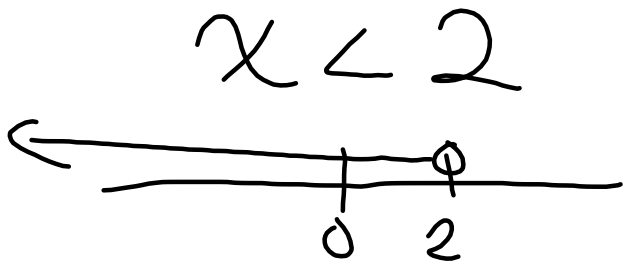
Jun 17-9:06 PM

Inequalities

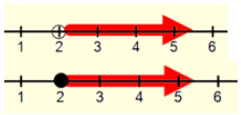
What does each of the symbols mean?

<	≤	>	≥

When we work with inequalities, we use a [ ] to show our solution. Why do you think that is?

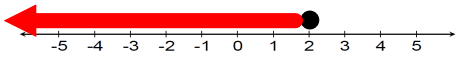


Feb 4-7:50 AM

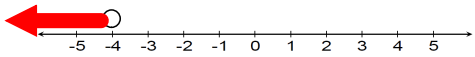
Rules for graphing:	What is the difference between an open and closed circle? What does filling in the circle mean in terms of the solution?
≤, ≥ have a [redacted] circle <, > have an [redacted] circle	

Graph each inequality below.

1. $x \leq 2$

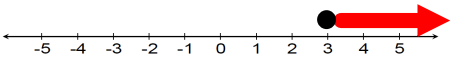


2. $x < -4$

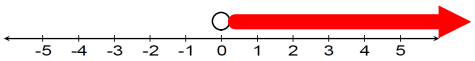


graphing tools

3. $x \geq 3$



4. $x > 0$



Apr 22-4:36 PM

Solving Inequalities: You solve an inequality like you solve an [redacted].

Practice Examples:

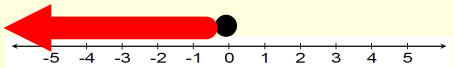
1. $2x - 8 \leq -8$

D | U
*2 | ÷2
-8 | +8

$+8 \quad +8$

$\frac{2x}{2} \leq \frac{0}{2}$

$x \leq 0$



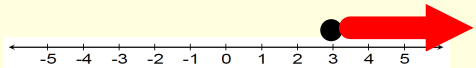
2. $3x + 2 \geq 11$

D | U
*3 | ÷3
+2 | -2

$-2 \quad -2$

$\frac{3x}{3} \geq \frac{9}{3}$

$x \geq 3$



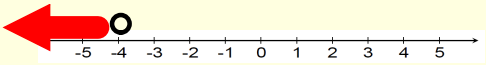
3. $\frac{1}{2}x - 6 < -8$

D | U
*2 | ÷2
-6 | +6

$+6 \quad +6$

$\frac{2}{1} \cdot \frac{1}{2}x < \frac{-2}{1} \cdot \frac{2}{1}$

$x < -4$



graphing tools

Apr 22-4:31 PM

Rewrite homework problems to complete TONIGHT

Feb 2-8:36 AM

Expectations

Solve and graph the inequality on page 122 on your notes page you will make the *x* or *o*

Hollywood playing RULES

Level 0: First Minute

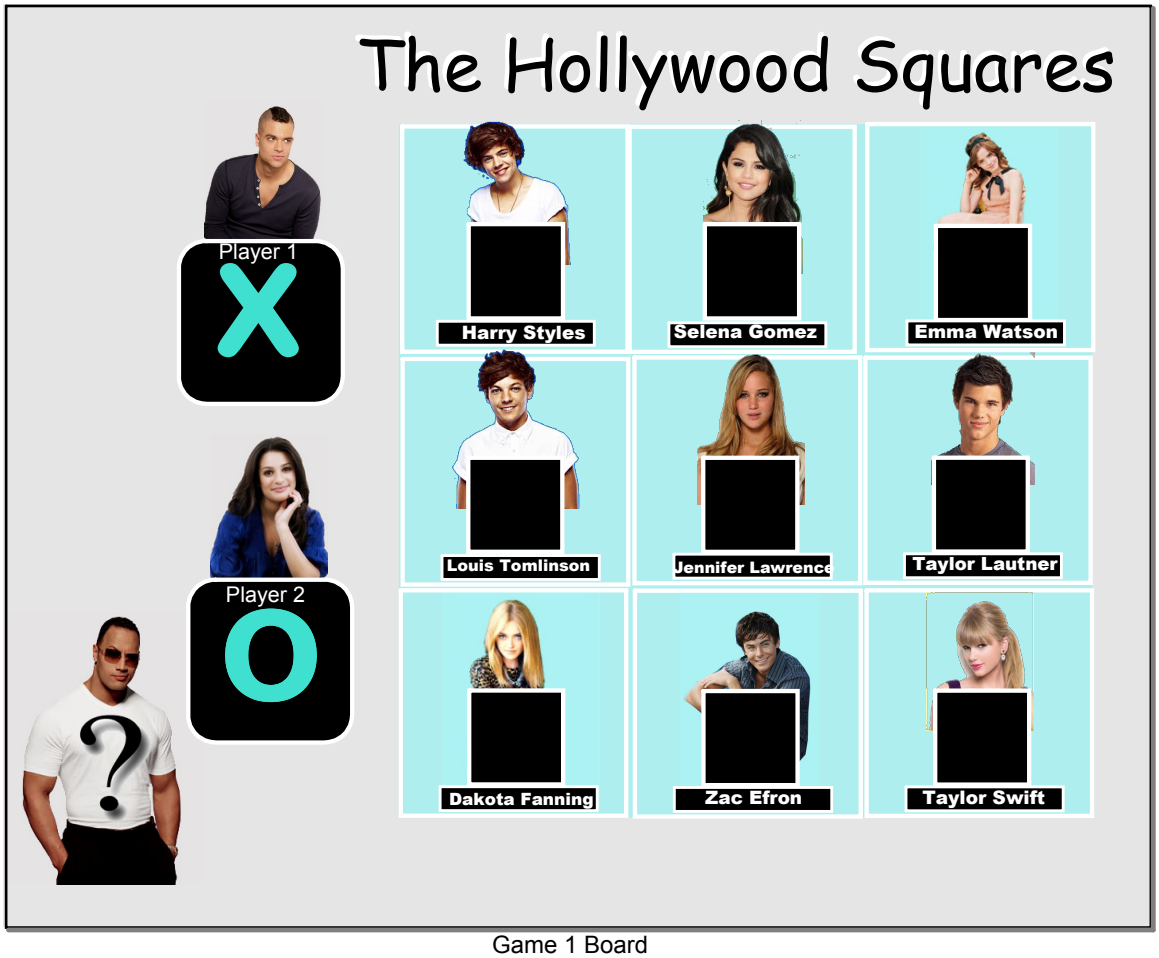
Level 1: 2 minutes to collaborate

Level 0: Team member solving

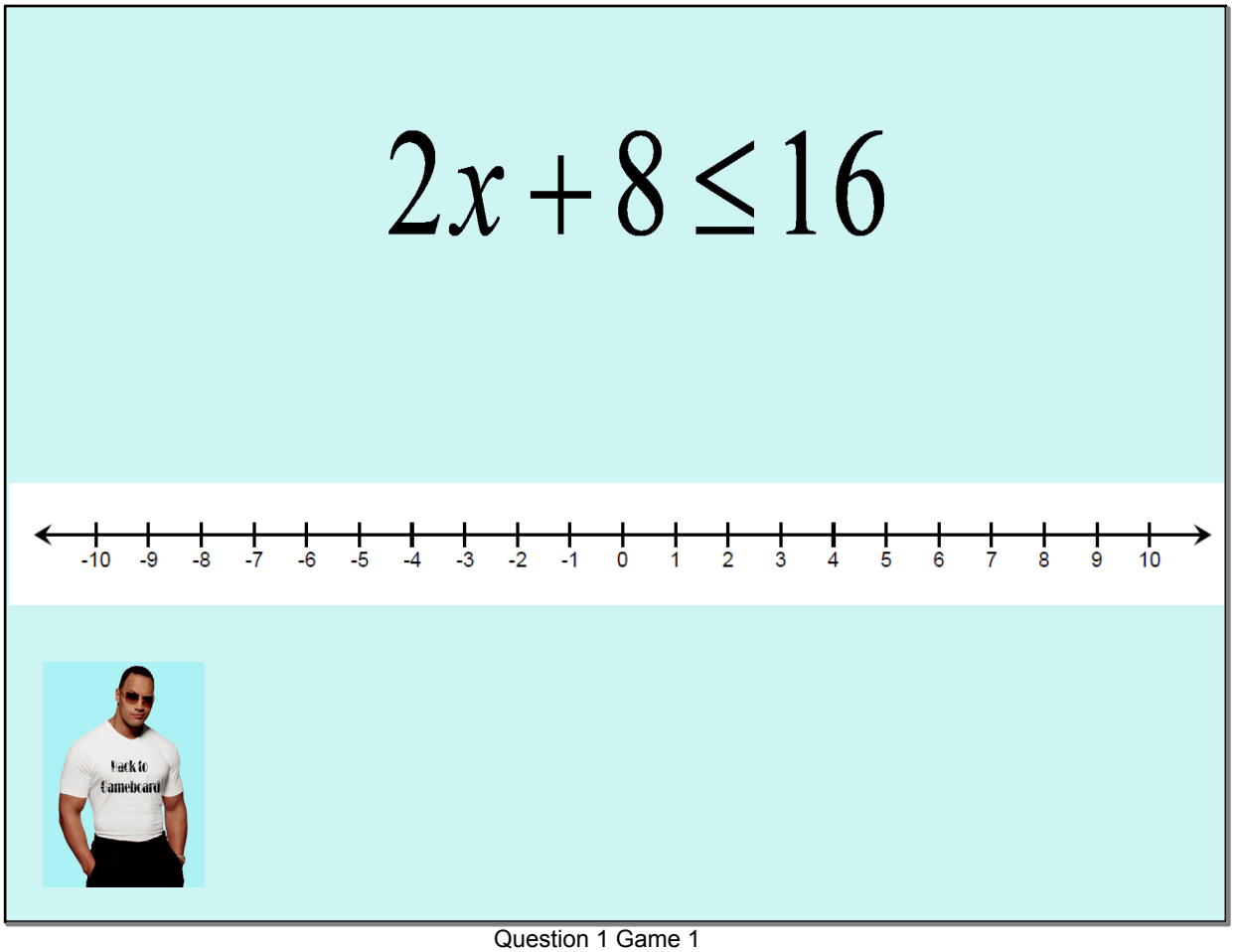
HOLLYWOOD SQUARES IS

LIKE TIC-TAC-TOE

Feb 2-10:28 AM

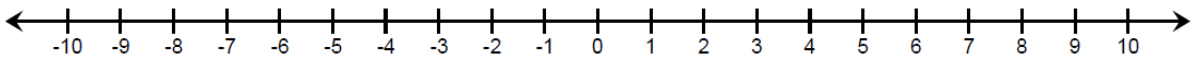


Game 1 Board



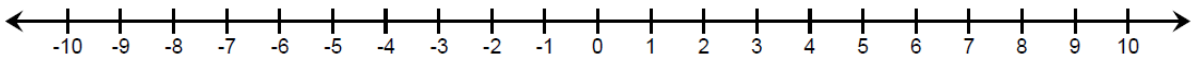
Question 1 Game 1

$$-5+3x<22$$



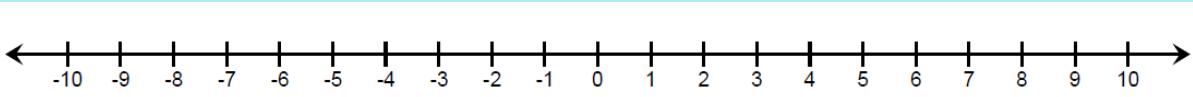
Apr 18-2:13 PM

$$\frac{4}{3}x-2>-6$$



Apr 18-2:14 PM

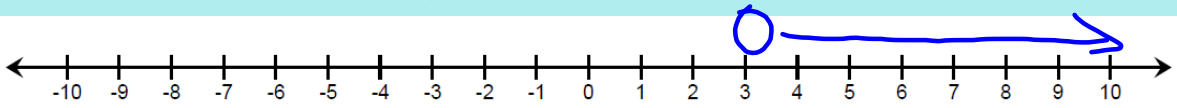
$$\frac{3}{5}x - 4 \geq -1$$



Apr 18-2:16 PM

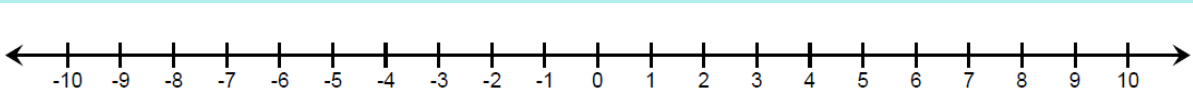
$$2x + 6 > 0$$

$$x > -3$$



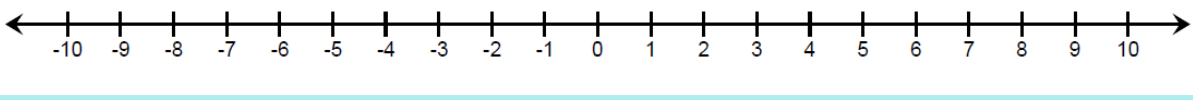
Apr 18-2:17 PM

$$\frac{1}{3}x - 12 \leq -14$$



Apr 18-2:18 PM

$$5x - 6 > -6$$



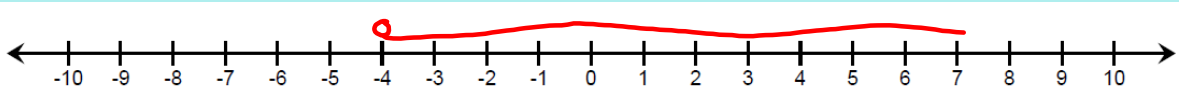
Apr 18-2:19 PM

$4x - 2 > -18$

÷ 2 | + 2

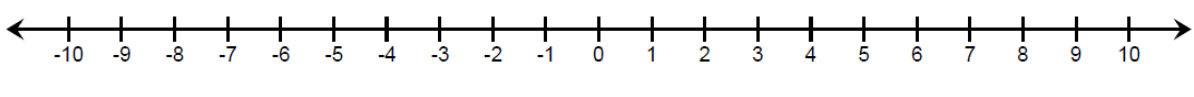
$-16 \div 4 \quad -4$

$x > -4$



Apr 18-2:20 PM

$4x - 6 \leq 30$



Apr 18-2:22 PM

Summary

Table Discussion: What does the graph of an inequality represent?

Jun 17-9:06 PM

Sep 28-9:55 AM