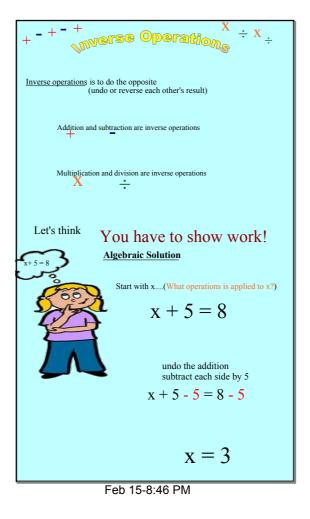


Feb 15-8:33 PM



You try

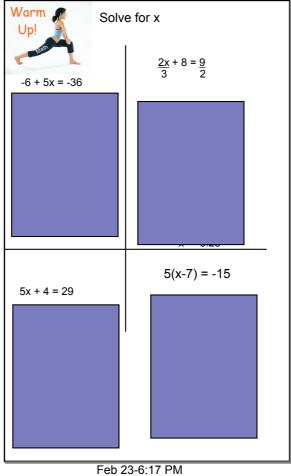
1)
$$-2w + 6 = -30.8$$

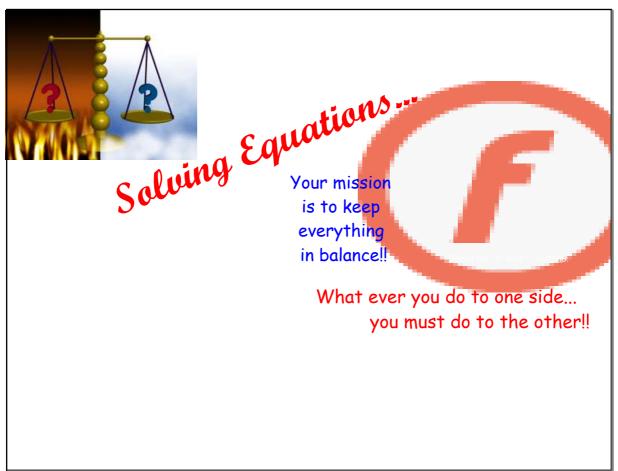
2)
$$\frac{b}{-5}$$
 -7 = 15.8

3)
$$7 = n - 15.6$$

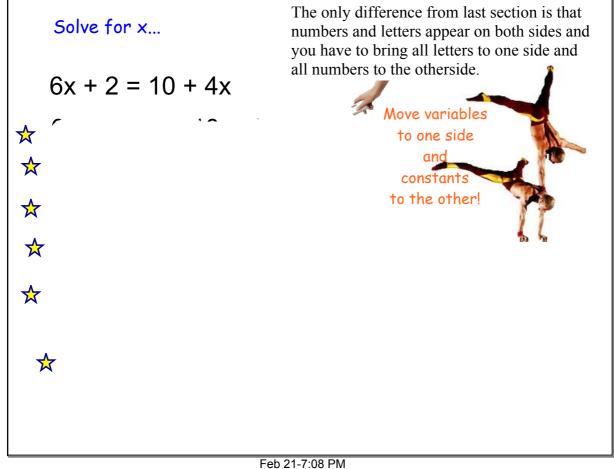


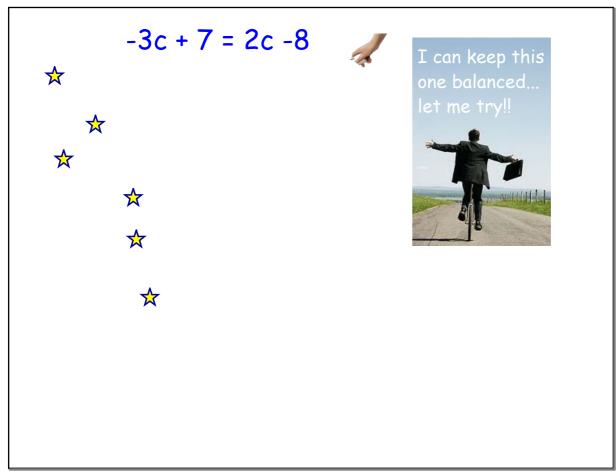
Feb 15-10:32 PM



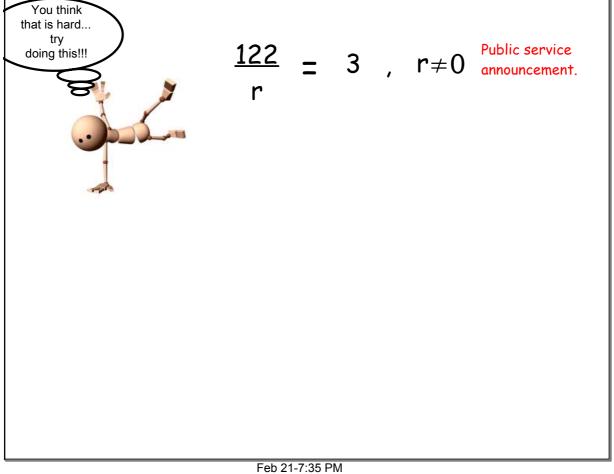


Feb 21-6:51 PM









Two restaurants charge different rates for catering a party



Dinner
Time!
Company A: \$30 plate plus an addition flat fee of \$300

Company B: \$55 a plate

When do the two companies charge the same amount???

Mar 1-7:53 PM

Solve

$$9z-1-7z = 7-6z-15$$



$$\frac{2}{3}$$
 (6x + 9) = $\frac{1}{2}$ (10x -2)



Mar 12-8:02 AM

$$\frac{1}{2}(3x-2) = \frac{2}{3}(\frac{2x}{-5})$$

Warm-

$$\frac{3}{2}(4 + 6r) = \frac{2}{3}(12 - 3r)$$

$$2u - 7 + 5u = 14 + 4u - 3$$

Feb 28-12:12 PM





What is an inequality feet 9 inches or 0.74m :

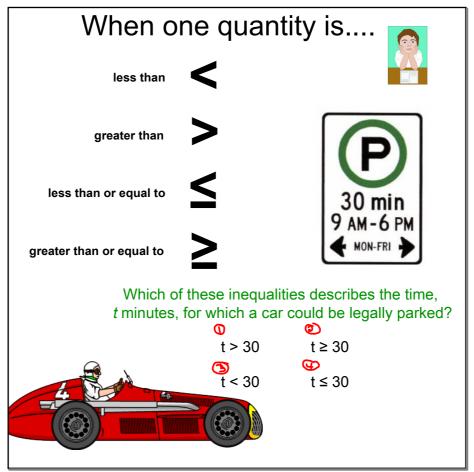


We use inequalities to model situations that can be described by a range of numbers instead of a single number.



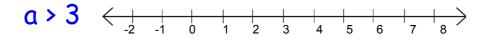
"Pick a number greater than 7."

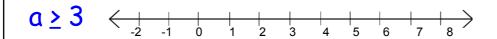


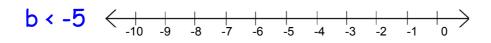


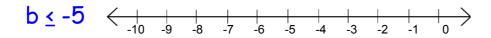
Feb 28-11:28 AM









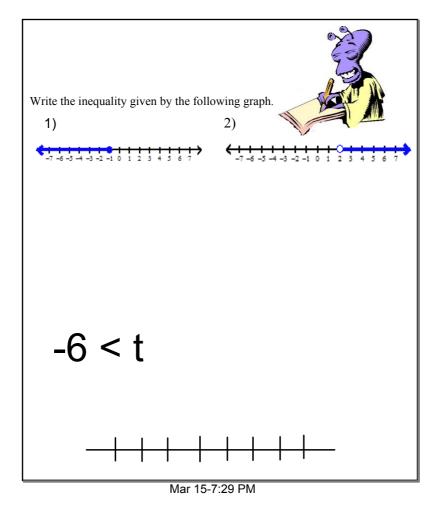


Graphing inequalities

-2<p < 3

 $-10 \le g < -6$

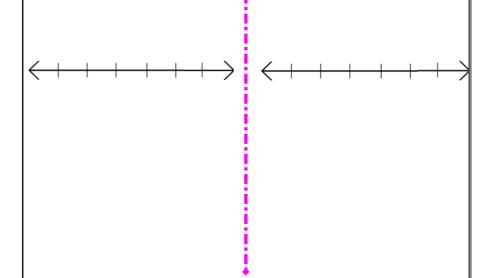
Feb 28-11:48 AM



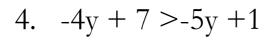
Try These!

2.
$$5 > m + 12$$

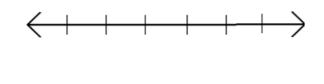
3.
$$-2y \le -3y + 1$$



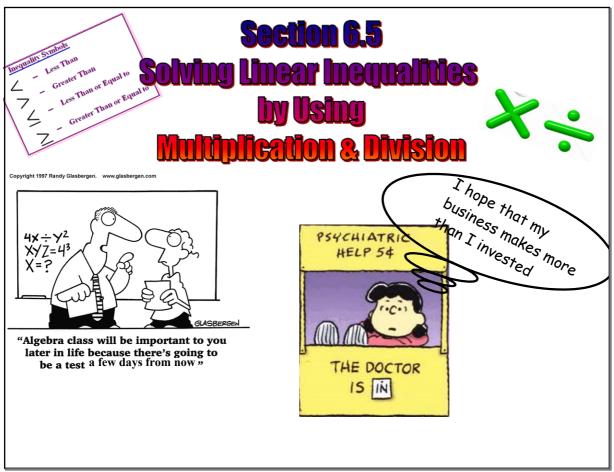
Mar 15-3:56 PM



Try to move letter so they end up with a positive number infront.



Mar 16-2:31 PM



Feb 21-8:57 PM

Properties of Inequalties

1) When you multiply or divide a inequality by a positive number the inequality remains the same.

Example)
$$5 > -1$$

 $5(3) > (-1)(3)$
 $15 > -3$

2) When you multiply or divide a inequality by a "negative number" the inequality must be reversed(switched) in order to remain true.

$$12 > -10$$

$$12 \div (-2) \quad -10 \div (-2)$$
Switch inequality since divided by a negative
$$12 \div (-2) < -10 \div (-2)$$

$$-6 < 5$$
FIX

NOTE:

When solving an inequality, we use the same strategy as for solving an equat

BUT

Remember when we divide or multiply by a negative number, we reverse the inequality sign.

Solving a One-Step Inequality

Solve each inequality. Graph the solution.

 $1) \quad \frac{x}{5} \leq -2$

 $2) \quad \frac{k}{-7} \quad \geq \quad 10$

3) $-6r \ge 72$

4) $13t \le -26$

Feb 21-9:52 PM

Solving a Multi-Step Inequality

What if you solve for a negative "variable"

1)
$$-2n - 5 > 6n + 7$$

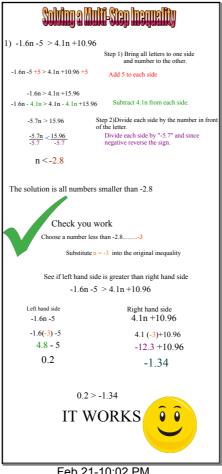
You Try

Solve each inequality, check your solution and graph

2)
$$-15 - 4x \le 3x + 6$$

3)
$$8m-2 \ge 13+5m$$

Feb 21-10:09 PM



Feb 21-10:02 PM

Textbook Questions

Page 308-309

Questions: 3,4,7,8,10,11,13,15,16

Page 310 Practice Test
All Questions

May 27-1:48 PM