

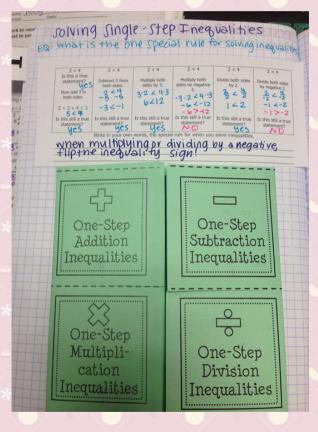
Reminders

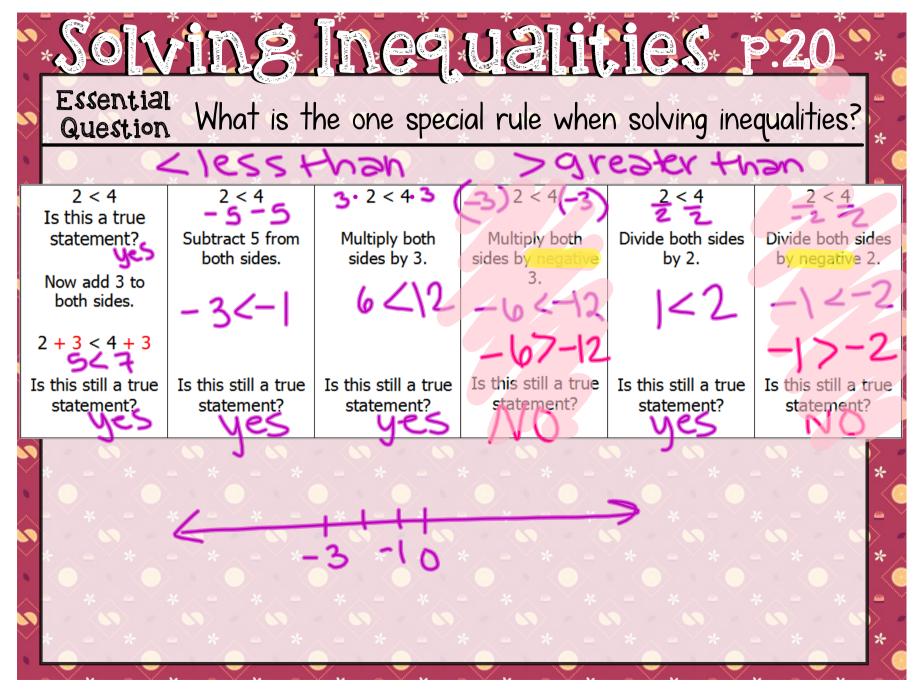
Test next Thursday! Test I Corrections due Wednesday

## Essential Question

What is the one special rule when solving inequalities?

report and HW 1.4. Then set up p.20 in your notebook to look like the picture.





## Solving Inequalities p.20

Essential Question What is the one special rule when solving inequalities?

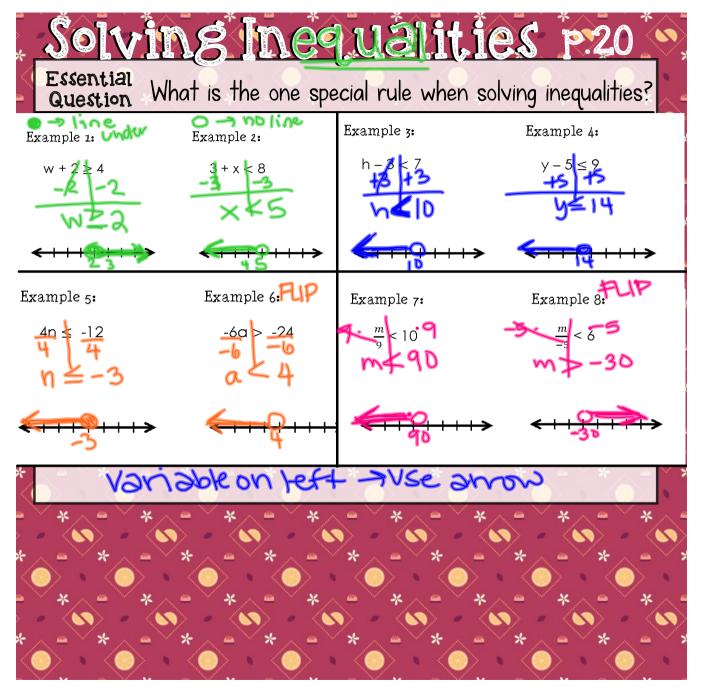
Using what we saw in the boxes, write in your own words the special rule when solving inequalities.

Whenever you divide or multiply by a negative number, flip the inequality sign.

Side Note

$$-\frac{3}{2}x = \frac{3}{3}6$$

$$+X = -18$$



Algebra I - Unit 1: Topic 4 - Solving Inequalities

Due Monday 9/22 (Wheel Spin)

**Practice - Solving Single Step Inequalities** 

pp 168-170, 174-176, 180-182

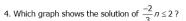
Solve and graph the following inequalities. Remember to check your work.

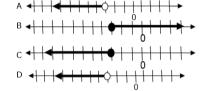


2. -5x > -25









Solve each inequality. Then check your solution.

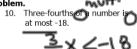
5. 
$$\frac{2}{3}x < -22$$

6. 
$$51 \le x - (-49)$$

8. 
$$-\frac{3m}{4} < \frac{2}{3}$$

Define a variable, write an inequality, and solve each problem.

The difference of a number and four greater than forty-two.





A number divided by 7 at least negative three.

Negative four times a number



- Claudia can spend up to \$1500 on paper for her business this year. Paper costs \$32 per box. Which inequality represents the number of boxes of paper p she can buy this year?
  - $32p \le 1500$ G  $32p \ge 1500$

 $32 + p \ge 1500$  $32 + p \le 1500$ 

## HW Check: Solving Single Step Inequalities

$$| . - | > n$$

$$3. -7 > x$$

$$6.2 \leq x$$

$$8. m > -8/9$$

$$\parallel \times \geq -21$$

Make sure you graph the answers on the appropriate number line If you have questions please tweet or email sara.korotkow@risd.org.

Wheel spin Monday!!