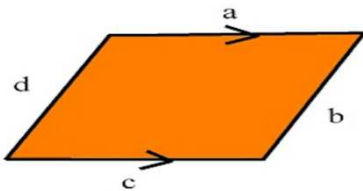


## Solving Inequalities

### 1. Solve these Inequalities for x

Inequality	Solution
$2x > 4$	
$3x + 6 < 12$	
$y > 5x$	
$-2x > 6$	
$6 - x > 3y$	
$6x < 3y$	
$8y > -4x$	
$6y < -2x + 6$	
$54x > 18$	
$2(x + 3) < 12$	
$y + 3 > 6 - x$	
$-6x > 6y$	

2. Sides b and d are equal. Write an inequality, and solve for Side "b" such that the perimeter is less than 32".



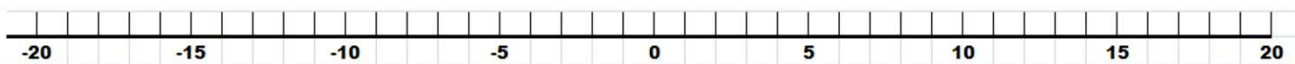
$$\text{Perimeter} = a + b + c + d$$

$$a = c = 6"$$

Inequality	Solution

3. Solve the Inequality and graph the solution:  $2x > 8$

Solution



4. You have \$265 in your bank account. Write and solve an inequality that represents how many \$20 bills you could remove from your bank account.

Inequality	Solution

5. Your lemonade stand sells lemonade for \$4 per glass. Write and solve an equation that represents how many glasses of lemonade you need to sell to make at least \$60.

Inequality	Solution