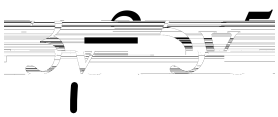
Notes 1.2 - Solving Inequalities

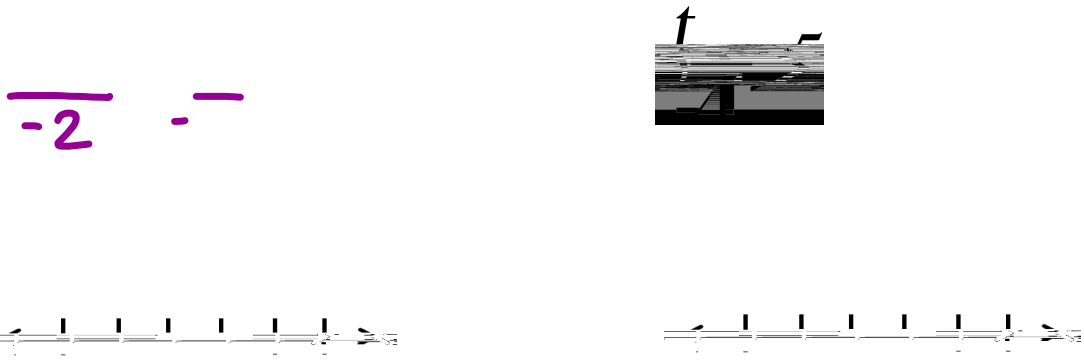
How do you make a number line? 

... are there rules?

What do you know about open and closed dots?

Solve





open closed

shaded left

$>$ $\geq$ shaded right

Solve the inequality. Then, graph the solution on a number line.

$-3 \quad -5$

$\frac{2z}{2} \leq \frac{2}{2}$

Solve the inequality. Then, graph the solution on a number line.

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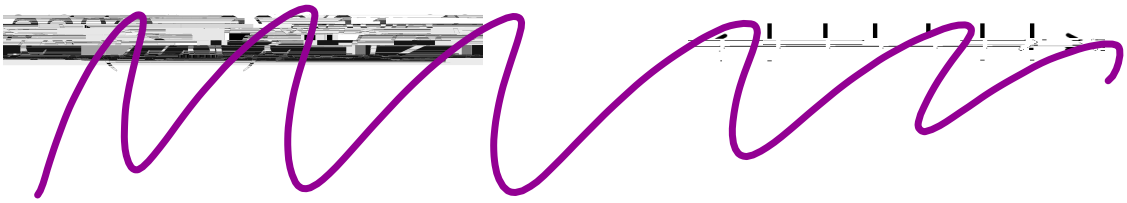

$2+4d-8$

$4d-$

Write an inequality for each problem.

The product of 7 and a number is greater than 42.

The difference of twice a number and 3 is at most 11.

The product of -10 and a number is greater than or equal to 20.

Thirty increased by a number is less than twice the number plus three.

Write an inequality from the graph.