11.2 Solving Inequalities Using Addition or Subtraction p.472

*Keep everything organized and lined up

*Solving inequalities is almost the same as solving equations

$$n = 8 = 15$$
 $n = 8 < 15$
 $n = 8 < 15$

How do we check solutions of inequalities?

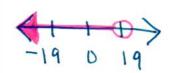
- · Choose a number different than the solution
- Choose a number that the arrow would touch and plug it in try \(\sqrt{2} \)

-8 < 15 true / so it's correct

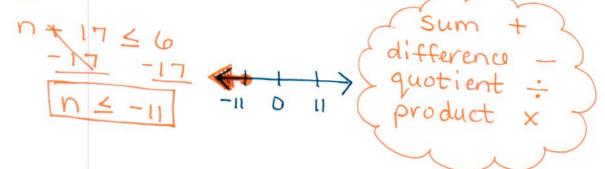
3) The difference between a number and eleven is

less than eight.

$$\frac{10<10}{10}$$

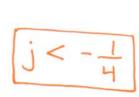


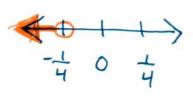
4) The sum of a number and seventeen is no more than six.



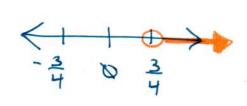
5)
$$b = 3.8 \le 1.7$$

 $+3.8 + 3.8$
 $b \le 5.5$





7)
$$x + \frac{3}{4} > 1\frac{1}{2} = \frac{3}{4}$$



$$8) \quad -7.5 \geq d \quad 10$$

