

\geq \leq $>$ $<$
 solid endpoint empty endpoint

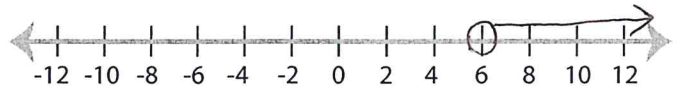
Solving & Graphing Inequalities

\geq $>$ \leq $<$
 greater than or equal to ES1 less than or less than or equal to
 go right go left

Solve each inequality and graph the solution.

Ex.

1) $x - 2 > 4$ Solve for x
 $+2 \quad +2$
 $x > 6$ graph



2) $\frac{x}{3} \leq 7$



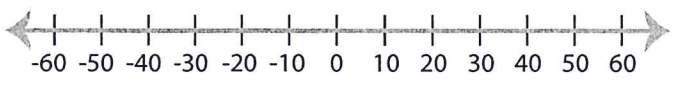
3) $6x < 30$



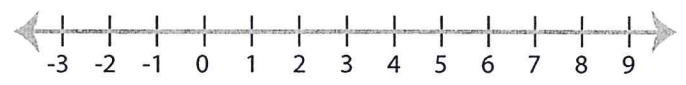
4) $x + 9 \geq 11$



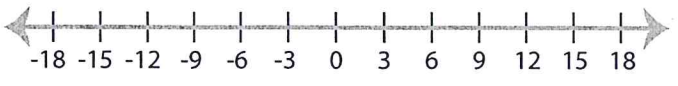
5) $\frac{x}{2} \geq 10$



6) $x - 5 \leq 2$



7) $7 + x < 16$



8) $4x \geq 32$



Solving One-Step Inequalities

ES1

Solve each inequality.

Ex.

1)

$$x + 5 < 6$$

-5 -5 solve

$$x < 1$$

2)

$$9x \geq 3$$

3)

$$x - 2 > 4$$

4)

$$\frac{x}{9} \leq 1$$

5)

$$10 + x > 17$$

6)

$$8x < 6$$

7)

$$x - 10 \geq 2$$

8)

$$\frac{x}{4} < 5$$

9)

$$x + 11 \leq 16$$

10)

$$9x > 12$$

11)

$$x - 15 \leq 1$$

12)

$$\frac{x}{3} \geq 7$$