

An inequality

A solution

A is less than B

A is greater than B

A is not equal to B

$$x < 4$$



$$x \leq 3$$



$$x > -2$$



$$x \geq -3$$



Addition: You can _____ the same value to both sides of the inequality.

$$3 < 9$$

Subtraction: You can _____ the same value to both sides of the inequality.

$$12 > 8$$

Multiplication: You can multiply both sides of the inequality by a _____ value.

$$3 > 2$$

Multiplication: When you multiply both sides of the inequality by a _____ value, the inequality symbol _____.

$$3 > 2$$

Division: You can divide both sides of the inequality by a _____ value.

$$14 < 16$$

Division: When you divide both sides of the inequality by a _____ value, the inequality symbol _____.

$$14 < 16$$

$$8 < x + 9$$



$$48 \geq 6a$$



$$x + 15 \leq 7$$



$$\frac{x}{2} < -5$$



$$4 \leq \frac{x}{3}$$



$$-8 > x + 6$$



$$-18 > 3x$$



$$-10x - 18 > 2$$



$$-5x \geq -9x + 28$$



$$2 \geq \frac{x-4}{3}$$

