

Solving Multi-Step Inequalities

Decimals: S1

Solve each inequality.

1)
$$\frac{1}{x+2.3} \leq \frac{3}{x-4.1}$$

2)
$$\frac{5.6}{x-2} > \frac{3.5}{x+1}$$

3) $8x + 10.2 < \frac{1}{9}$

5) $9.3 - 6x \leq 4$

7) $15x + 16.5 < 10x + 2.4$

8)
$$\frac{7x+3.9}{x+8.2} > 5$$

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Solving Multi-Step Inequalities

Decimals: S1

Solve each inequality.

1)
$$\frac{1}{x+2.3} \leq \frac{3}{x-4.1}$$

$$x \geq -5.5$$

2)
$$\frac{5.6}{x-2} > \frac{3.5}{x+1}$$

$$x > -6$$

3)
$$8x + 10.2 < \frac{1}{9}$$

$$x > -$$

$$0.7$$

5)
$$9.3 - 6x \leq 4$$

$$x \geq -$$

$$3.6$$

7)
$$15x + 16.5 < 10x + 2.4$$

$$x < -2.82$$

8)
$$\frac{7x+3.9}{x+8.2} > 5$$

$$x > 18.55$$

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