

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) $8x + 10.2 < 9$

$x >$

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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