



Questions?
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Ask Question 

Solve and graph: $-5 < 2x + 3 < 7$

Question

$$-5 < 2x + 3 < 7$$

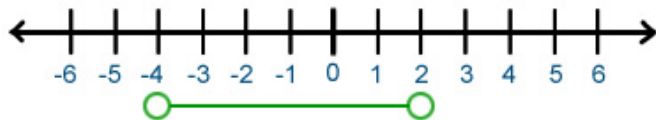
$$\boxed{-5 - 3} < 2x + \cancel{3} - \cancel{3} < \boxed{7 - 3}$$

$$-8 < 2x < 4$$

$$\boxed{\frac{-8}{2}} < \frac{2x}{2} < \boxed{\frac{4}{2}}$$

$$\boxed{-4 < x < 2}$$

Answer



5. Inequalities

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Questions?
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Ask Question 

Solve and graph: $-2 \leq 3 + x < 10$

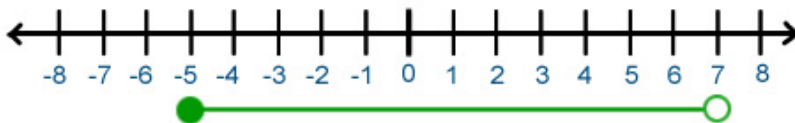
Question

$$-2 \leq 3 + x < 10$$

Answer

$$(-2 - 3) \leq \cancel{3} - \cancel{3} + x < (10 - 3)$$

$$-5 \leq x < 7$$



5. Inequalities

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Questions?
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Ask Question

Solve and graph: $10 < -5x + 20 < 40$

Question

$$10 < -5x + 20 < 40$$

Answer

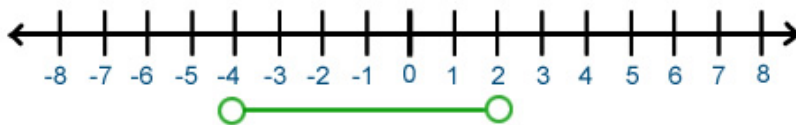
$$(10 - 20) < -5x + \cancel{20} - \cancel{20} < (40 - 20)$$

$$-10 < -5x < 20$$

$$\frac{-10}{-5} > \frac{-5x}{-5} > \frac{20}{-5}$$

$$2 > x > -4$$

$$-4 < x < 2$$



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Questions?
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Solve and graph: $-10 < 5x$ AND $15 < 3x$

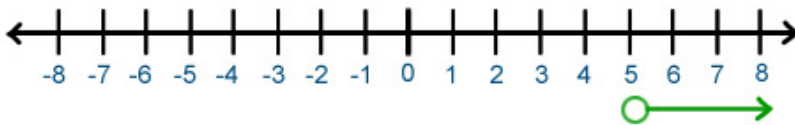
Question

$$-10 < 5x \quad \text{AND} \quad 15 < 3x$$

$$\frac{-10}{5} < \frac{5x}{5} \quad \text{AND} \quad \frac{15}{3} < \frac{3x}{3}$$

$$-2 < x \quad \text{AND} \quad 5 < x$$

Answer



5. Inequalities

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Solve and graph: $-10 < 5x$ OR $15 < 3x$

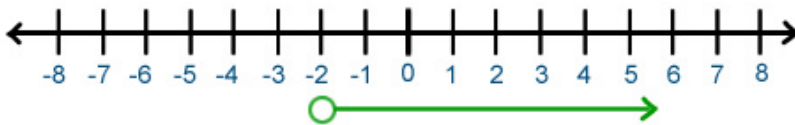
Question

$$-10 < 5x \quad \text{OR} \quad 15 < 3x$$

$$\frac{-10}{5} < \frac{5x}{5} \quad \text{OR} \quad \frac{15}{3} < \frac{3x}{3}$$

$$-2 < x \quad \text{OR} \quad 5 < x$$

Answer



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Questions?
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Solve and graph: $-10 < 5x$ AND $15 > 3x$

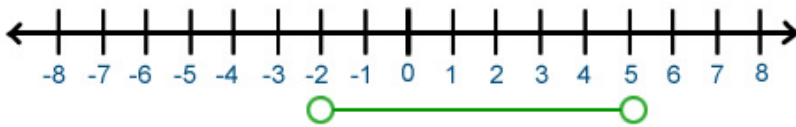
Question

$$-10 < 5x \quad \text{AND} \quad 15 > 3x$$

$$\frac{-10}{5} < \frac{5x}{5} \quad \text{AND} \quad \frac{15}{3} > \frac{3x}{3}$$

$$-2 < x \quad \text{AND} \quad 5 > x$$

Answer



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