



New Maths GCSE: A22 - Solving Linear Inequalities

Name:.....

Date:.....

What is the solution to this linear inequality?

$2x > 6$

A $x > 6$ **B** $x = 3$

C $x > 3$ **D** $x > 12$

Correct Answer: A B C D

Explanation:

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What is the solution to this linear inequality?

$x - 3 < 2$

A $x = 5$ **B** $x < 5$

C $x > 5$ **D** $x < -1$

Correct Answer: A B C D

Explanation:

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What is the solution to this linear inequality?

$8 > 4x$

A $x < 2$ **B** $x > 32$

C $x > 2$ **D** $x < 32$

Correct Answer: A B C D

Explanation:

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What is the solution to this linear inequality?

$$12 < \frac{1}{3}x$$

- A** $x < 36$ **B** $x > 36$
C $x > 4$ **D** $x < 4$

Correct Answer: A B C D

Explanation:

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What is the solution to this linear inequality?

$$-5x < 10$$

- A** $x > 2$ **B** $x < 2$
C $x > -2$ **D** $x < -2$

Correct Answer: A B C D

Explanation:

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What is the solution to this linear inequality?

$$4x - 3 > 5$$

- A** $x > 32$ **B** $x > \frac{1}{2}$
C $x > 2$ **D** $x > 8$

Correct Answer: A B C D

Explanation:

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What is the solution to this linear inequality?

$$5 - 2x < 7$$

- A** $x > 1$ **B** $x < 1$
C $x < -1$ **D** $x > -1$

Correct Answer: A B C D

Explanation:

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What is the solution to this linear inequality?

$$6x + 1 < 4x - 7$$

A $x < -4$ **B** $x < -3$

C $x > -3$ **D** $x > -4$

Correct Answer: A B C D

Explanation:

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What is the solution to this linear inequality?

$$6 - x < 2x$$

A $x < 6$ **B** $x > 6$

C $x > 2$ **D** $x < 2$

Correct Answer: A B C D

Explanation:

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What is the solution to this linear inequality?

$$-\frac{x}{3} > -6$$

A $x > 18$ **B** $x < 18$

C $x > -18$ **D** $x < -18$

Correct Answer: A B C D

Explanation:

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