Watch. Practice. Understand. | Lesson 002

2022 The Secret of Algebra I Chapter 2 Solving Linear Inequalities

Watch the matching video: https://www.youtube.com/watch?v=hyEfAGgMODw

Practice focus: Linear inequalities

Original extra practice matched to the listed lesson topic.

Name: _____ Date: _____ Show your reasoning and check units.

01 Solve -3x + 5 < 17.

02 Solve 2 <= 3x - 4 < 11.

03 Solve |x - 3| <= 5.

04 A budget of $75 covers a $15 fee and $12 tickets. Find the greatest whole number of tickets.

Worked answers | Lesson 002

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Practice focus: Linear inequalities

Original extra practice matched to the listed lesson topic.

01 Solve -3x + 5 < 17.

-3x < 12. Divide by a negative and reverse the sign: x > -4.

02 Solve 2 <= 3x - 4 < 11.

Add 4 and divide by 3: 2 <= x < 5.

03 Solve |x - 3| <= 5.

-5 <= x - 3 <= 5, so -2 <= x <= 8.

04 A budget of $75 covers a $15 fee and $12 tickets. Find the greatest whole number of tickets.

15 + 12n <= 75 gives n <= 5. Maximum: 5 tickets.