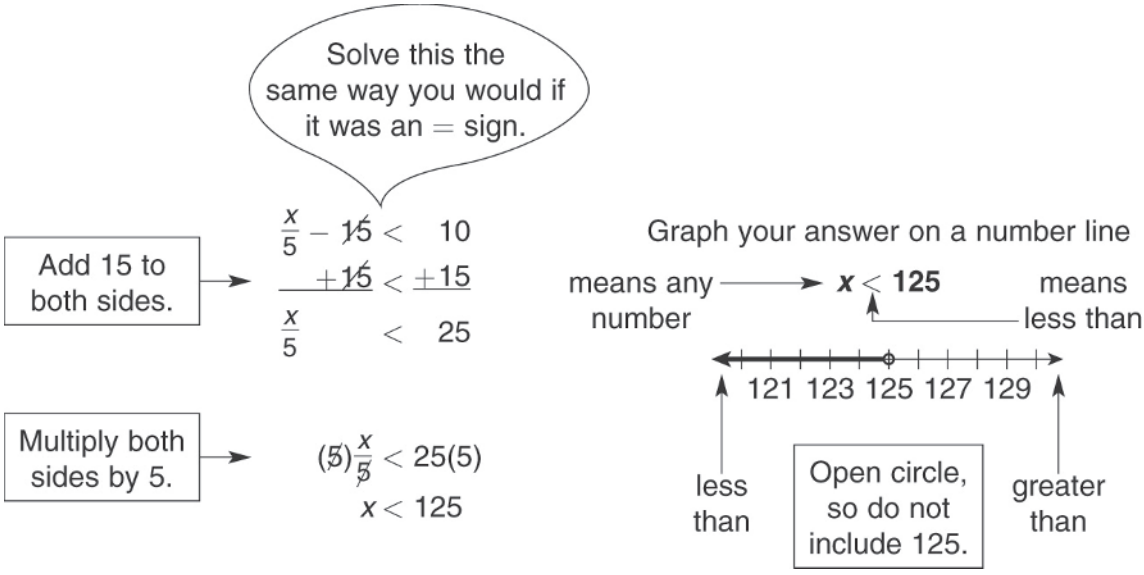
Name _____ Date _____ Class _____

LESSON 8-4

Solving Two-Step Inequalities

Success for English Learners

Problem 1



1. In Problem 1, is 125 a solution to the inequality? Explain.

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2. In Problem 1, why do you *not* reverse the inequality symbol?

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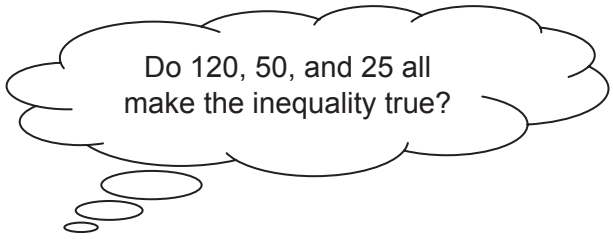
Problem 2

Think of Problem 1 as a real-world problem.

"One fifth of the students less 15 is less than 10. Could there be 120 students or 50 students or 25 students? Why?"



Yes, all make true statements: $120 < 125$, $50 < 125$, and $25 < 125$.

Give three solutions to the inequalities.

3. $100 - 2x > 20$

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4. $4y + 3 \leq -13$

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