 Name _____ Date _____ Per _____

Solve Two-Step Inequalities

GUIDED NOTES

UNIT 5: SOLVE PROBLEMS USING EQUATIONS AND INEQUALITIES

LEARNING TARGET

I can solve an inequality by multiplying or dividing by a negative rational number; write a two-step inequality to solve a problem; add, solve a two-step inequality.

☐ Solve Two-Step Inequalities ☐ Solve More Two-Step Inequalities ☐ Solve Inequalities with Negative Values

VOCABULARY

two-step inequality
an inequality with two _____, like $2x + 1 < 9$

inverse operations
operations that _____ each other

boundary point
the number where the graph _____

constant
a number without a _____

quotient
the answer to a _____

negative coefficient
a negative number _____ by the variable, like $-2x$

reverse the symbol
$\geq$ _____ $\leq$

check
test a number from your answer in the original _____

KEY IDEAS

◇ Solve a _____ like a two-step equation: undo the addition or subtraction, then the multiplication or division.

◇ Two-step inequalities can subtract or divide too: undo the _____ first, then the multiplication or division.

◇ In a two-step inequality, if you divide or multiply by a _____ in the last step, reverse the symbol.

MY NOTES & QUESTIONS

Preview - the full worksheet and its answer key are at primeworksheet.com