NAME _____

DATE _____

Module 5   Solving Linear Inequalities of
                One Variable
Lesson 7   Solving Problems Using Inequalities
                of One Variable

Lesson Objective

• Write and solve inequalities of one variable to solve problems.

Fill in the steps.

Problem Solving Using Inequalities

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1 ▶ Todd needs a total score of at least 46 to win a tournament with 5 events. In

his first 4 events he earned 36.6 points. What is the minimum Todd must score

in his 5th event to win the tournament? _____

_____

2 ▶ Greta earns a base pay of $500 per week and a commission of 10% of all

sales. If Greta needs to earn more than $675 each week to pay her bills, how

many dollars worth of merchandise does Greta need to sell each week?

_____

_____

3 ▶ The sum of two consecutive odd integers is less than 66. What are the largest

possible values for the integers? _____

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