Name _____ Date _____ Period _____

LESSON 8-4 · WARM-UP

Warm-Up Practice

Write and Represent Inequalities

THE MOVE

what this page practices

Turn a comparison phrase into an inequality symbol

At least and no less than mean ≥. At most and no more than mean ≤. More than means >. Fewer than and less than mean <. If the boundary number is allowed, the symbol has a line under it.

Test a value against the inequality

Put the value in and read the comparison out loud. If it is true, the value is a solution. The boundary number itself works only with ≤ or ≥.

WORKED MODEL

we do this one together

Step 1	You must be at least 48 inches tall.
Step 2	At least means the height can equal 48 or be _____.
Step 3	h _____ 48
Step 4	Is 50 a solution? _____

YOUR TURN

8 items · about 10 minutes

1. You must be at least 60 inches tall. Height h: h _____ 60
ANSWER _____

2. You may bring at most 3 bags. Number of bags b: b _____ 3
ANSWER _____

3. No more than 25 students fit in the van. Number of students s: s _____ 25
ANSWER _____

4. More than 10 people signed up. Number of people p: p _____ 10. Is 10 a solution? _____
ANSWER _____

5. Fewer than 8 tickets are left. Number of tickets t: t _____ 8
ANSWER _____

6. A ride is for riders at least 42 inches tall. What is the shortest height allowed? _____
ANSWER _____

7. $x > 7$. What is the smallest whole number that makes it true? _____
ANSWER _____

8. A game needs at least 4 players. Write an inequality for the number of players p, then say whether 4 players is allowed. _____
ANSWER _____