Name _____ Date _____ Period _____

LESSON 8-1 · WARM-UP

Warm-Up Practice

Understand Equations and Their Solutions

THE MOVE

what this page practices

Check whether a value is a solution

Put the value in for the letter. Work out each side. If the two sides are equal, the value is a solution.

WORKED MODEL

we do this one together

Step 1	Is x = 4 a solution of 3x = 12?
Step 2	3 × _____ = 12
Step 3	_____ = 12
Step 4	The sides match, so x = 4 _____ a solution.

YOUR TURN

8 items · about 10 minutes

1. Is x = 5 a solution of 4x = 20? _____

ANSWER _____

2. Is x = 3 a solution of x + 8 = 12? _____

ANSWER _____

3. Is m = 7 a solution of m − 2 = 5? _____

ANSWER _____

4. Is y = 6 a solution of 2y + 1 = 12? _____

ANSWER _____

5. Is p = 9 a solution of 45 ÷ p = 9? _____

ANSWER _____

6. Is w = 12 a solution of 1/3 × w = 4? _____

ANSWER _____

7. Fill in the missing number so that x = 6 is a solution: 5x = _____

ANSWER _____

8. Write an equation for: three times a number n is 15. Then say whether n = 5 is a solution. _____

ANSWER _____