Name _____ Date _____ Period _____

LESSON 8-3 · WARM-UP

Warm-Up Practice

Write and Solve Equations Using Multiplication or Division

THE MOVE

what this page practices

Undo a multiplication or division to find the unknown

See what the letter was multiplied or divided by. Do the opposite to both sides. Dividing undoes multiplying, and multiplying undoes dividing. To undo multiplying by 1/3, divide by 1/3, which is the same as multiplying by 3.

Check by substituting the answer back in

Put your answer in place of the letter and work out that side. If it equals the other side, the answer is right.

WORKED MODEL

we do this one together

Step 1	6x = 42
Step 2	x was multiplied by 6, so divide both sides by _____.
Step 3	x = _____
Step 4	Check: 6 × _____ = 42

YOUR TURN

8 items · about 10 minutes

1. 4x = 36. x = _____. Check: 4 × _____ = 36

ANSWER _____

2. x ÷ 5 = 9. x = _____. Check: _____ ÷ 5 = 9

ANSWER _____

3. 9m = 72. m = _____. Check: 9 × _____ = 72

ANSWER _____

4. n ÷ 7 = 6. n = _____. Check: _____ ÷ 7 = 6

ANSWER _____

5. 12p = 3.6. p = _____. Check: 12 × _____ = 3.6

ANSWER _____

6. 1/3 × w = 6. w = _____. Check: 1/3 × _____ = 6

ANSWER _____

7. Fill in the missing number so that k = 15 is a solution: 5k = _____

ANSWER _____

8. Eight friends share 96 marbles evenly. Write an equation for the number m each friend gets, then solve. _____

ANSWER _____