Name _____ Date _____ Period _____

LESSON 9-3 · WARM-UP

Warm-Up Practice

Write Equations to Represent Relationships Between Two Variables

THE MOVE

what this page practices

Find the factor from a table, then write y = (factor)x

Divide y by x in one row. Check that the other rows give the same answer. That number is the factor, so y = (factor)x.

WORKED MODEL

we do this one together

Step 1	Table: x = 1, 2, 3 and y = 3, 6, 9.
Step 2	3 ÷ 1 = 3
Step 3	6 ÷ 2 = _____ 9 ÷ 3 = _____
Step 4	Same factor in every row, so y = _____x

YOUR TURN

8 items · about 10 minutes

1. Table: x = 1, 2, 3 and y = 5, 10, 15. y = _____x

ANSWER _____

2. Table: x = 1, 2, 3 and y = 7, 14, 21. y = _____x

ANSWER _____

3. Table: x = 2, 4, 6 and y = 8, 16, 24. y = _____x

ANSWER _____

4. Table: x = 3, 5, 9 and y = 30, 50, 90. y = _____x

ANSWER _____

5. Pairs (4, 2), (8, 4), (12, 6). Write y in terms of x: y = _____

ANSWER _____

6. A printer prints 6 pages each minute: (1, 6), (2, 12), (5, 30). Write y in terms of x: y = _____

ANSWER _____

7. In y = 8x, one row of the table has y = 56. In that row, x = _____

ANSWER _____

8. Table: x = 2, 3, 4 and y = 10, 15, 20. Is y = 5x true for every row? _____ Write y in terms of x: y = _____

ANSWER _____