Name _____ Date _____ Period _____

LESSON 6-8 · WARM-UP

Warm-Up Practice

Generate Equivalent Expressions

THE MOVE

what this page practices

Expand: multiply a number by a sum

Multiply the outside number by each part inside the parentheses, then add.

Find the GCF of two numbers

List the factors of both numbers and take the largest one they share.

WORKED MODEL

we do this one together

Step 1	3(x + 5). Multiply 3 by each part.
Step 2	= 3 × x + 3 × _____
Step 3	= _____ + 15
Step 4	So 3(x + 5) = 3x + _____

YOUR TURN

8 items · about 10 minutes

1. 2(x + 4) = _____

ANSWER _____

2. 5(x + 3) = _____

ANSWER _____

3. 4(n + 6) = _____

ANSWER _____

4. 3(2x + 1) = _____

ANSWER _____

5. The GCF of 12 and 18 is _____

ANSWER _____

6. The GCF of 20 and 30 is _____

ANSWER _____

7. Fill in the missing number: _____ × (x + 3) = 7x + 21

ANSWER _____

8. The GCF of 4 and 12 is 4. Write 4x + 12 as 4 × (_____)

ANSWER _____