Name _____ Date _____ Period _____

**LESSON 6-7 · WARM-UP**

# Warm-Up Practice

Find Factors and Multiples

## THE MOVE

*what this page practices*

**List all the factors of a number, in pairs**

Start at 1 and work up. Each factor you find names its partner. Divisibility tests for 2, 3, 5, 9, and 10 tell you what to skip.

**List the first multiples of a number**

Multiples are what you get by counting by that number: 6, 12, 18, 24, 30.

## WORKED MODEL

*we do this one together*

| | |
|---|---|
| **Step 1** | Factors of 18. Find every pair. |
| **Step 2** | 1 × 18  2 × _____  3 × _____ |
| **Step 3** | 4 does not divide 18. 5 does not divide 18. |
| **Step 4** | Factors of 18: 1, 2, 3, _____, 9, 18 |

## YOUR TURN

*8 items · about 10 minutes*

**1.** List all the factors of 12: _____

ANSWER _____

**2.** List all the factors of 20: _____

ANSWER _____

**3.** List all the factors of 24: _____

ANSWER _____

**4.** Is 3 a factor of 51? _____ (The digits add to 5 + 1 = 6.)

ANSWER _____

**5.** List the first five multiples of 6: _____

ANSWER _____

**6.** List the first five multiples of 8: _____

ANSWER _____

**7.** A number has exactly these factors: 1, 3, 5, 15. The number is _____

ANSWER _____

**8.** The factors of 18 are 1, 2, 3, 6, 9, 18. The factors of 24 are 1, 2, 3, 4, 6, 8, 12, 24. The greatest factor in both lists is _____

ANSWER _____