Name_____ Date_____ Period_____

**LESSON 6-7 · SESSION 2 · PREREQUISITE PRACTICE B · SKILL 1 OF 2**

# Find the Greatest Common Factor

Builds on Lesson 6-7 Session 1 · 6.NS.B.4

| | |
|---|---|
| **TODAY'S LESSON** | You will find the LCM of pairs like 8 and 12. Do not mix it up with the GCF. |
| **YOU NEED TO** | Find the GCF of two numbers, like 28 and 40. **You will use it in Practice Form A, problems 1 and 7 (Session 1).** |

## STEPS TO FOLLOW

*use these same steps on every problem*

1. List all the **factors** of the first number.
2. List all the **factors** of the second number.
3. Find the **greatest** number on both lists.

## WATCH ME

*the steps in action*

**Find the GCF of 20 and 28.**

**Step 1** 20: 1, 2, 4, 5, 10, 20

**Step 2** 28: 1, 2, 4, 7, 14, 28

**Step 3** Both lists: 1, 2, 4. The greatest is 4.

**Answer** **4**

## TRY IT WITH HELP

*fill in each step*

**1.** Find the GCF of 8 and 12.

**Step 1** 8: 1, 2, _____, 8

**Step 2** 12: 1, 2, 3, _____, 6, 12

**Step 3** Both lists: 1, 2, _____. The GCF is _____.

**2.** Find the GCF of 15 and 25.

**Step 1** 15: 1, _____, 5, 15

**Step 2** 25: 1, _____, 25

**Step 3** Both lists: 1, _____. The GCF is _____.

## YOUR TURN

*use the steps on your own*

**3.** Find the GCF of each pair.

**a.** 12 and 16 _____

**b.** 15 and 35 _____

**c.** 14 and 21 _____

**d.** 9 and 12 _____

**e.** 8 and 15 _____

**f.** 18 and 24 _____

# Check If It Is a Multiple

Builds on Grade 5 · 5.NBT.B.6

| | |
|---|---|
| **TODAY'S LESSON** | You will find how many packs of 14 cups make 42 cups. |
| **YOU NEED TO** | Check if a number is a multiple, like 42 ÷ 14 = 3 with no remainder.<br>**You will use it in Practice Form A, problems 3 and 6.** |

## STEPS TO FOLLOW

*use these same steps on every problem*

1. **Divide** the big number by the small number.
2. Look at the **remainder**.
3. Remainder 0 means **yes**, it is a multiple.

## WATCH ME

*the steps in action*

**Is 84 a multiple of 12?**

**Step 1** 84 ÷ 12 = 7 R0.

**Step 2** The remainder is 0.

**Step 3** Yes. 84 is 7 groups of 12.

**Answer** **Yes**

## TRY IT WITH HELP

*fill in each step*

**4.** Is 60 a multiple of 15?

**Step 1** 60 ÷ 15 = _____ R _____

**Step 2** The remainder is _____.

**Step 3** Is 60 a multiple of 15? _____

**5.** Is 50 a multiple of 15?

**Step 1** 50 ÷ 15 = _____ R _____

**Step 2** The remainder is _____.

**Step 3** Is 50 a multiple of 15? _____

## YOUR TURN

*use the steps on your own*

**6.** Is the first number a multiple of the second? Write yes or no.

**a.** 60 and 12 _____ **b.** 75 and 15 _____ **c.** 90 and 12 _____

**d.** 112 and 14 _____ **e.** 100 and 15 _____ **f.** 144 and 18 _____

## READY CHECK

*a problem like the one in today's lesson*

**7.** Cups come in packs of 14. A store needs 42 cups. How many packs?

**A** 3 **B** 4 **C** 28 **D** 56

**CHECK YOURSELF** ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____