



# Factors and Multiples

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 4

## Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: The GCF of 12 and 18 is 3.

Rewrite: \_\_\_\_\_

2. Fix the sentence: Every even number is composite.

Rewrite: \_\_\_\_\_

3. Fix the sentence: The LCM of 4 and 8 is 32.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

- The GCF of 20 and 30 is \_\_\_\_\_.
- The LCM of 3 and 7 is \_\_\_\_\_.
- The factors of 32 are 1, 2, 4, 8, 16, and \_\_\_\_\_.
- The number 42 is divisible by 2, 3, 6, 7, and \_\_\_\_\_.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. What is the difference between GCF and LCM? Give an example.

\_\_\_\_\_  
\_\_\_\_\_

2. Name all the prime numbers between 10 and 20.

\_\_\_\_\_  
\_\_\_\_\_

### Part A: Fix the Sentence

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Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: The GCF of 12 and 18 is 3.

Rewrite: **The GCF of 12 and 18 is 6, because 6 is the largest number that divides both evenly.**

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2. Fix the sentence: Every even number is composite.

Rewrite: **Every even number greater than 2 is composite. The number 2 is even and prime.**

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3. Fix the sentence: The LCM of 4 and 8 is 32.

Rewrite: **The LCM of 4 and 8 is 8, because 8 is already a multiple of 4.**

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### Part B: Fill in the Blank

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Write the missing word or number on each line.

1. The GCF of 20 and 30 is **10** .

2. The LCM of 3 and 7 is **21** .

3. The factors of 32 are 1, 2, 4, 8, 16, and **32** .

4. The number 42 is divisible by 2, 3, 6, 7, and **14** .

### Part C: Short Answer

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Answer each question in one or two complete sentences.

1. What is the difference between GCF and LCM? Give an example.

*The GCF is the greatest factor two numbers share, while the LCM is the smallest multiple they share. For 6 and 8, the GCF is 2 and the LCM is 24.*

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2. Name all the prime numbers between 10 and 20.

*The prime numbers between 10 and 20 are 11, 13, 17, and 19.*

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