



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: 2 is composite because it is even.

Rewrite: _____

2. Fix the sentence: 9 is prime because it is odd.

Rewrite: _____

3. Fix the sentence: 1 is a prime number because its only factor is itself.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A composite number has more than _____ factors.
2. A number is divisible by 2 if its last digit is _____.
3. A number is divisible by 5 if it ends in 0 or _____.
4. The smallest prime number is _____.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how you can quickly tell if 45 is divisible by 3.

2. Is 37 prime or composite? How do you know?

Part A: Fix the Sentence

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

1. Fix the sentence: 2 is composite because it is even.

Rewrite: **2 is prime because its only factors are 1 and 2. It is the only even prime number.**

2. Fix the sentence: 9 is prime because it is odd.

Rewrite: **9 is composite because $3 \times 3 = 9$, so it has factors other than 1 and itself.**

3. Fix the sentence: 1 is a prime number because its only factor is itself.

Rewrite: **1 is neither prime nor composite because a prime number must have exactly two distinct factors.**

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A composite number has more than 2 factors.

2. A number is divisible by 2 if its last digit is even.

3. A number is divisible by 5 if it ends in 0 or 5.

4. The smallest prime number is 2.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how you can quickly tell if 45 is divisible by 3.

Add the digits: $4 + 5 = 9$. Since 9 is divisible by 3, the number 45 is also divisible by 3.

2. Is 37 prime or composite? How do you know?

37 is prime because no number other than 1 and 37 divides it evenly. It is not divisible by 2, 3, 4, 5, or 6.
