Factors and Multiples

Name: _____ Date: _____ Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. The GCF of 16 and 24 is _____.
2. The LCM of 6 and 10 is _____.
3. The prime factorization of 24 is 2 × 2 × 2 × _____.
4. The GCF of two prime numbers is always _____.
5. The prime factorization of 50 is 2 × 5 × _____.
6. The LCM of 7 and 14 is _____.
7. The GCF of 36 and 48 is _____.
8. The prime factorization of 60 is 2 × 2 × 3 × _____.
9. The LCM of 8 and 10 is _____.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each number to its correct classification.

29	→ _____	Composite, divisible by 5
45	→ _____	Neither prime nor composite
64	→ _____	Prime number
1	→ _____	Composite, perfect square

Part A: Fill in the Blank

Write the missing word or number on each line.

1. The GCF of 16 and 24 is **8** .
2. The LCM of 6 and 10 is **30** .
3. The prime factorization of 24 is 2 × 2 × 2 × **3** .
4. The GCF of two prime numbers is always **1** .
5. The prime factorization of 50 is 2 × 5 × **5** .
6. The LCM of 7 and 14 is **14** .
7. The GCF of 36 and 48 is **12** .
8. The prime factorization of 60 is 2 × 2 × 3 × **5** .
9. The LCM of 8 and 10 is **40** .

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each number to its correct classification.

29	→ **Prime number**	Composite, divisible by 5
45	→ **Composite, divisible by 5**	Neither prime nor composite
64	→ **Composite, perfect square**	Prime number
1	→ **Neither prime nor composite**	Composite, perfect square