



Factors and Multiples

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. What is the GCF of 32 and 48?

- A) 4
- B) 8
- C) 16
- D) 32

2. Which number has exactly 6 factors?

- A) 18
- B) 20
- C) 24
- D) 12

3. What is the LCM of 9 and 15?

- A) 30
- B) 45
- C) 90
- D) 135

4. Which number is divisible by both 4 and 6 but NOT by 8?

- A) 24
- B) 36
- C) 12
- D) 48

Part B: Fill in the Blank

Write the correct answer on each line.

1. The prime factorization of 72 is $2 \times 2 \times 2 \times 3 \times$ _____.
2. The GCF of 40 and 60 is _____.
3. The only even prime number is _____.
4. The LCM of 4 and 14 is _____.
5. The number 90 has _____ factors in all.

Answer Key • Factors and Multiples • Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. What is the GCF of 32 and 48?

- A) 4
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- D) 135

4. Which number is divisible by both 4 and 6 but NOT by 8?

- A) 24
- B) 36
- C) 12
- D) 48

Part B: Fill in the Blank

Write the correct answer on each line.

1. The prime factorization of 72 is $2 \times 2 \times 2 \times 3 \times \underline{3}$.
2. The GCF of 40 and 60 is 20.
3. The only even prime number is 2.
4. The LCM of 4 and 14 is 28.
5. The number 90 has 12 factors in all.