



Factors and Multiples

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. Red lights flash every 6 seconds and blue lights every 8 seconds. They flash together and next flash together after how many seconds?

- A) 14
- B) 24
- C) 36
- D) 48

2. How many composite numbers are between 1 and 15?

- A) 6
- B) 7
- C) 8
- D) 9

3. What is the GCF of 45 and 75?

- A) 5
- B) 9
- C) 15
- D) 25

4. What is the LCM of 14 and 21?

- A) 28
- B) 42
- C) 84
- D) 294

Part B: Fill in the Blank

Write the correct answer on each line.

1. The prime factorization of 84 is $2 \times 2 \times 3 \times$ _____ .
2. The LCM of 10 and 15 is _____ .
3. A number divisible by 9 is also always divisible by _____ .
4. The GCF of 56 and 84 is _____ .
5. The smallest number divisible by both 8 and 12 is _____ .

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- B) 42
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Part B: Fill in the Blank

Write the correct answer on each line.

1. The prime factorization of 84 is $2 \times 2 \times 3 \times \underline{7}$.
2. The LCM of 10 and 15 is 30 .
3. A number divisible by 9 is also always divisible by 3 .
4. The GCF of 56 and 84 is 28 .
5. The smallest number divisible by both 8 and 12 is 24 .