# **Common Multiples and Least Common Multiple**

#### A. Choose the correct answer:

- 1. What is the least common multiple of 4 and 6?
  - a) 12 b) 18
  - c) 8 d) 24

## 2. Which of the following is a common multiple of 3 and 5?

- a) 10 b) 12
- c) 15 d) 18
- 3. What is the LCM of 2 and 3?
  - a) 3 b) 6
  - c) 4 d) 5
- 4. Which is a common multiple of 5 and 10?
  - a) 25 b) 20
  - c) 15 d) 30
- 5. What is the LCM of 8 and 12?
  - a) 24 b) 36
  - c) 48 d) 12

## **B.** Write the Missing Terms to Complete the Sentences:

- 1. The first common multiple of 3 and 4 is \_\_\_\_\_
- 2. LCM stands for Least \_\_\_\_ Multiple
- 3. 15 is a common multiple of 3 and \_\_\_\_\_
- 4. The LCM of 5 and 10 is \_\_\_\_
- 5. A number that is a multiple of two or more numbers is called a \_\_\_\_ multiple.

## C. Mark each sentence with a True ( ✔) or False (X):

- 1. The LCM of 3 and 4 is 12
- 2. 10 is a common multiple of 2 and 5
- 3. The smallest common multiple of 6 and 8 is 48

- 4. Common multiples of 2 and 3 include 6, 12 and 18
- 5. The LCM of 5 and 15 is 5

## D. Figure out the answers to these questions:

- 1. List the first 5 multiples of 4 and 6 and find the common multiples.
- 2. Find the LCM of 3 and 9 by listing their multiples.
- 3. Write any two numbers whose LCM is 12.
- 4. Are 20 and 30 common multiples of 5 and 10? Check and explain.
- 5. Circle the common multiples of 2 and 3 from the list: 6, 8, 12, 15, 18.

## E. Challenge yourself with these questions:

- 1. Find the least common multiple of 2, 4 and 6.
- 2. List the first six multiples of 3 and 5 and write their common multiples.
- 3. A bell rings every 6 minutes and another every 8 minutes. When will they ring together again?
- 4. Find the LCM of 10 and 12 using the listing method.
- 5. Write any three common multiples of 4 and 10.