Lesson 15
Least Common Multiple

Here's How

First find common multiples of 3 and 4.

- Multiples of 3: 0, 3, 6, 9, 12, 15, 18, 21, 24, 27
- Multiples of 4: 0, 4, 8, 12, 16, 20, 24, 28, 32, 36

Common multiples of 3 and 4: 0, 12, and 24
The smallest common multiple that is not zero is the least common multiple.

The least common multiple (LCM) of 3 and 4 is 12.

Try These

Find the least common multiple of each pair of numbers.

1. Multiples of 2: 0, 2, 4, 6, 8, 10, 12, 14, 16, 18
   Multiples of 3: 0, 3, 6, 9, 12, 15, 18, 21, 24, 27
   The least common multiple of 2 and 3 is ________.

2. Multiples of 4: 0, 4, 8, 12, 16, 20, 24, 28, 32, 36
   Multiples of 6: 0, 6, 12, 18, 24, 30, 36, 42, 48, 54
   The least common multiple of 4 and 6 is ________.

3. Multiples of 7: 0, 7, 14, 21, 28, 35, 42, 49, 56, 63
   Multiples of 9: 0, 9, 18, 27, 36, 45, 54, 63, 72, 81
   The least common multiple of 7 and 9 is ________.

4. Multiples of 10: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90
   Multiples of 6: 0, 6, 12, 18, 24, 30, 36, 42, 48, 54
   The least common multiple of 10 and 6 is ________.

5. Multiples of 4: ________________
   Multiples of 2: ________________
   The least common multiple of 4 and 2 is ________.
Find the least common multiple of each pair of numbers.

1. The least common multiple of 2 and 9 is ________.

2. The least common multiple of 6 and 12 is ________.

3. The least common multiple of 3 and 6 is ________.

4. The least common multiple of 4 and 7 is ________.

5. The least common multiple of 5 and 10 is ________.

6. The least common multiple of 7 and 8 is ________.

7. The least common multiple of 12 and 3 is ________.

8. The least common multiple of 8 and 10 is ________.

9. The least common multiple of 4 and 5 is ________.

10. The least common multiple of 4 and 8 is ________.

11. The least common multiple of 9 and 3 is ________.