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Least Common Multiple

Here's How

First find common multiples of 3 and 4.

Find the least common multiple 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.

LCM means least common multiple.

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

Try These

Find the common multiples. Then find the least common multiple.

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 _____.

A blue oval with the text "Go Ahead" in white, with a white swoosh underneath.

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 _____.

Use this space to write multiples of each number. ▶

Remember—the least common multiple is *not* zero. ▶