

Name: Class:

Least common multiple

Find the least common multiple (LCM) of the numbers below.

Example : Find the least common multiple of 3 and 4.

1. Find the multiples of each number

3 : 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39...

4 : 4, 8, 16, 20, 24, 28, 32, 36, 40...

2. Find and circle the common multiples

3 : 3, 6, 9, 12, 15, 18, 21, **24**, 27, 30, 33, **36**, 39...

4 : 4, 8, 16, 20, **24**, 28, 32, **36**, 40...

3. The common multiples of 3 and 4 are :

24, 36...

3. The least common multiple of 3 and 4

is **24**.

The LCM of **3** and **9** is :

The multiples of 3 are :

The multiples of 9 are :

The LCM of 3 and 9 is :

The LCM of **4** and **8** is :

The LCM of **3** and **7** is :

The LCM of **9** and **12** is :

The LCM of **6** and **18** is :

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Example : Find the least common multiple of 3 and 4.

1. Find the multiples of each number 3 : 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39... 4 : 4, 8, 16, 20, 24, 28, 32, 36, 40...	2. Find and circle the common multiples 3 : 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39... 4 : 4, 8, 16, 20, 24, 28, 32, 36, 40...
3. The common multiples of 3 and 4 are : 24, 36...	3. The least common multiple of 3 and 4 is 24.

The LCM of 3 and 9 is :	9	The multiples of 9 are : 9, 18, 27, 36, 45, 54... The multiples of 3 are : 3, 6, 9, 12, 15, 18, 21, 24, 27... The LCM of 3 and 9 is : 9
The LCM of 4 and 8 is :	8	Multiples of 4 : 4, 8, 12, 16, 20, 24... Multiples of 8 : 8, 16, 24, 32... The LCM of 4 and 8 is : 8
The LCM of 3 and 7 is :	21	The multiples of 3 are : 3, 6, 9, 12, 15, 18, 21, 24, 27... Multiples of 7 : 7, 14, 21, 28, 35, 42, 49, 56, 63, 70... The LCM of 3 and 7 is : 21
The LCM of 9 and 12 is :	108	The multiples of 9 are : 9, 18, 36, 45, 54, ..., 99, 108... Multiples of 12 : 12, 24, 36, 48, 60, 72, 84, 96, 108... The LCM of 9 and 12 is : 108
The LCM of 6 and 18 is :	18	The multiples of 18 are : 18, 36... Multiples of 6 : 6, 12, 18, 24... The LCM of 6 and 18 is : 18