

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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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