

Name: _____

Least Common Multiples

Find the least common multiple (LCM) of 2 and 3.

The multiples of 2 are: **2, 4, 6, 8, 10, 12, 14, 16, 18...**

The multiples of 3 are: **3, 6, 9, 12, 15, 18....**

The common multiples of 2 and 3 are: **6, 12, 18...**

The least common multiple of 2 and 3 is **6**.



Find the LCM.



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g. Is it possible to list all of the multiples of 12? Explain.

h. Explain the difference between a multiple and a factor.

ANSWER KEY

Least Common Multiples

Find the least common multiple (LCM) of 2 and 3.

The multiples of 2 are: **2, 4, 6, 8, 10, 12, 14, 16, 18...**

The multiples of 3 are: **3, 6, 9, 12, 15, 18...**

The common multiples of 2 and 3 are: **6, 12, 18...**

The least common multiple of 2 and 3 is **6**.



Find

a.

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d.

g.

h.



Factors are numbers that can be multiplied together to make a number.

(example: 1 and 3 are factors of 6.) Multiples are the products of numbers.

(example: multiples of 6 are 6, 12, 18, 24, and so on)