

Name: _____

Least Common Multiples

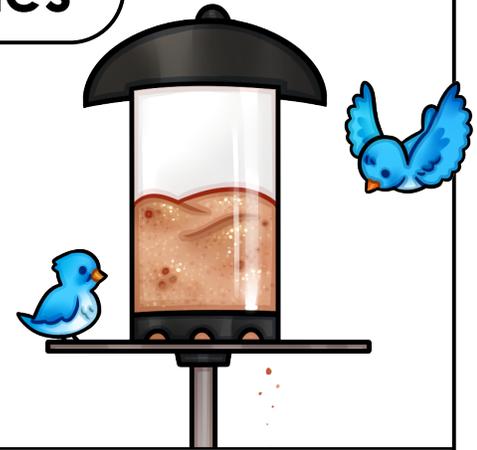
Find the least common multiple (LCM) of 2 and 3.

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**.



a. List the first 6 multiples of 8. _____



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e. 3 and 20

LCM = _____

f. 7 and 21

LCM = _____

g. 2 and 9

LCM = _____

h. 4 and 6

LCM = _____

i. 1 and 2

LCM = _____

j. 3 and 8

LCM = _____

k. Is it possible to list all of the multiples of the number 30? Explain.

ANSWER KEY

Least Common Multiples

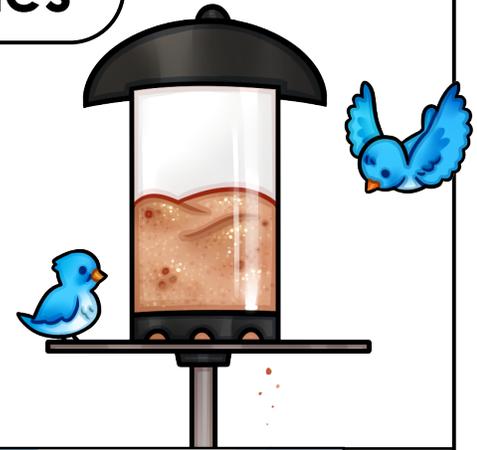
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The multiples of 2 are: **2, 4, 6, 8, 10, 12, 14, 16, 18...**

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

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



a.

b.

c.

d.

Find

e.

h.

k.

Preview

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**No, it is not possible because there are an infinite number of multiples
of any number.**