

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. _____

b. List the first 4 multiples of 12. _____

c. List two common multiples of 4 and 6. _____

d. What is the LCM of 4 and 6? _____



~ PREVIEW ~

Please log in or register to download the printable version of this worksheet.

Find the LCM for each pair of numbers.

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

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. **8, 16, 24, 32, 40, 48**

b. List the first 6 multiples of 12. **12, 24, 36, 48, 60, 72**

c. List two c

d. What is th

A red-bordered box containing a cartoon superhero character on the left and text on the right. The superhero is wearing a red suit with a blue cape and a shield on his chest. The text reads: "PREVIEW Please log in or register to download the printable version of this worksheet." The word "PREVIEW" is in large, bold, red letters with a shadow effect.

PREVIEW
Please log in or register to download
the printable version of this worksheet.

Find the LCM for each pair of numbers.

e. 3 and 20

LCM = **60**

f. 7 and 21

LCM = **21**

g. 2 and 9

LCM = **18**

h. 4 and 6

LCM = **12**

i. 1 and 2

LCM = **2**

j. 3 and 8

LCM = **24**

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

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