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 of 3 and 4.

The multiples of 3 are: _____, _____, _____, _____, _____, _____, _____, _____, _____ ...

The multiples of 4 are: _____, _____, _____, _____, _____, _____, _____ ...

The common multiples of 3 and 4 are: _____ and _____

The LCM of 3 and 4 is: _____

Find the LCM.

a.  2 and 7

   LCM = _____

b.  4 and 10

   LCM = _____

c.  4 and 5

   LCM = _____

d.  6 and 10

   LCM = _____

e.  4 and 12

   LCM = _____

f.  6 and 18

   LCM = _____

# 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 the LCM of 3 and 4.

The multiples of 3 are: __**3**__ , __**6**__ , __**9**__ , __**12**__ , __**15**__ , __**18**__ , __**21**__ , __**24**__ , __**27**__ ...

The multiples of 4 are: __**4**__ , __**8**__ , __**12**__ , __**16**__ , __**20**__ , __**24**__ , __**28**__ ...

The common multiples of 3 and 4 are: __**12**__ and __**24**__

The LCM of 3 and 4 is: __**12**__

Find the LCM.

a. 2 and 7

LCM = __**14**__

b. 4 and 10

LCM = __**20**__

c. 4 and 5

LCM = __**20**__

d. 6 and 10

LCM = __**30**__

e. 4 and 12

LCM = __**12**__

f. 6 and 18

LCM = __**18**__