

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.**

**a.** 3 and 8

LCM = \_\_\_\_\_

**b.** 4 and 5

LCM = \_\_\_\_\_

**c.** 10 and 40

LCM = \_\_\_\_\_

**d.** 3 and 10

LCM = \_\_\_\_\_

**e.** 7 and 9

LCM = \_\_\_\_\_

**f.** 6 and 18

LCM = \_\_\_\_\_

**g.** 6 and 8

LCM = \_\_\_\_\_

**h.** 4 and 9

LCM = \_\_\_\_\_

**i.** 6 and 9

LCM = \_\_\_\_\_

**j.** 8 and 12

LCM = \_\_\_\_\_

**k.** 6 and 5

LCM = \_\_\_\_\_

**l.** 8 and 10

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 in **bold**.

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

Find the LCM.

a. 3 and 8

LCM = **24**

b. 4 and 5

LCM = **20**

c. 10 and 40

LCM = **40**

d. 3 and 10

LCM = **30**

e. 7 and 9

LCM = **63**

f. 6 and 18

LCM = **18**

g. 6 and 8

LCM = **24**

h. 4 and 9

LCM = **36**

i. 6 and 9

LCM = **18**

j. 8 and 12

LCM = **24**

k. 6 and 5

LCM = **30**

l. 8 and 10

LCM = **40**