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 = _____

# <span style="color:red">ANSWER KEY</span>

## 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**