Least Common Multiple

Name:_____   Date:_____

Find the smallest multiple that both numbers have in common.

1) **2, 6**

Multiples of 2   =   2, 4, 6, 8, 10, 12

Multiples of 6   =   6, 12, 18, 24, 30, 36

LCM (2, 6)

6

2) **5, 3**

Multiples of 5   = _____

Multiples of 3   = _____

LCM (5, 3)

3) **4, 8**

Multiples of 4   = _____

Multiples of 8   = _____

LCM (4, 8)

4) **10, 2**

Multiples of 10   = _____

Multiples of 2   = _____

LCM (10, 2)

5) **8, 4**

Multiples of 8   = _____

Multiples of 4   = _____

LCM (8, 4)

6) **7, 9**

Multiples of 7   = _____

Multiples of 9   = _____

LCM (7, 9)

Least Common Multiple

Find the smallest multiple that both numbers have in common.

1) **2, 6**

Multiples of 2   =   2, 4, 6, 8, 10, 12

Multiples of 6   =   6, 12, 18, 24, 30, 36

LCM (2, 6)

6

2) **5, 3**

Multiples of 5   =   5, 10, 15, 20, 25

Multiples of 3   =   3, 6, 9, 12, 15

LCM (5, 3)

15

3) **4, 8**

Multiples of 4   =   4, 8, 12, 16, 20, 24, 28, 32

Multiples of 8   =   8, 16, 24, 32, 40, 48, 56, 64

LCM (4, 8)

8

4) **10, 2**

Multiples of 10   =   10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Multiples of 2   =   2, 4, 6, 8, 10, 12, 14, 16, 18, 20

LCM (10, 2)

10

5) **8, 4**

Multiples of 8   =   8, 16, 24, 32, 40, 48, 56, 64

Multiples of 4   =   4, 8, 12, 16, 20, 24, 28, 32

LCM (8, 4)

8

6) **7, 9**

Multiples of 7   =   7, 14, 21, 28, 35, 42, 49, 56, 63

Multiples of 9   =   9, 18, 27, 36, 45, 54, 63, 72, 81

LCM (7, 9)

63