

Least Common Multiple

Name: _____

Date: _____

Find least common multiple by using prime factorization method.

1) **2, 6**

Factors of 2 = 1, 2

Factors of 6 = 1, 2, 3

LCM (2, 6)

6

2) **5, 3**

Factors of 5 = _____

Factors of 3 = _____

LCM (5, 3)

3) **4, 8**

Factors of 4 = _____

Factors of 8 = _____

LCM (4, 8)

4) **10, 2**

Factors of 10 = _____

Factors of 2 = _____

LCM (10, 2)

5) **8, 4**

Factors of 8 = _____

Factors of 4 = _____

LCM (8, 4)

6) **7, 9**

Factors of 7 = _____

Factors of 9 = _____

LCM (7, 9)

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Name: _____

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Find least common multiple by using prime factorization method.

1) **2, 6**

Factors of 2 = 1, 2

Factors of 6 = 1, 2, 3, 6

LCM (2, 6)

6

2) **5, 3**

Factors of 5 = 1, 5

Factors of 3 = 1, 3

LCM (5, 3)

15

3) **4, 8**

Factors of 4 = 1, 2, 4

Factors of 8 = 1, 2, 4, 8

LCM (4, 8)

8

4) **10, 2**

Factors of 10 = 1, 2, 5, 10

Factors of 2 = 1, 2

LCM (10, 2)

10

5) **8, 4**

Factors of 8 = 1, 2, 4, 8

Factors of 4 = 1, 2, 4

LCM (8, 4)

8

6) **7, 9**

Factors of 7 = 1, 7

Factors of 9 = 1, 3, 9

LCM (7, 9)

63