

Least Common Multiple

Name: _____

Date: _____

Find least common multiple by using prime factorization method.

1) **5, 10, 15**

Factors of 5 = _____

Factors of 10 = _____

Factors of 15 = _____

LCM(5, 10, 15)

2) **20, 12, 4**

Factors of 20 = _____

Factors of 12 = _____

Factors of 4 = _____

LCM(20, 12, 4)

3) **3, 9, 12**

Factors of 3 = _____

Factors of 9 = _____

Factors of 12 = _____

LCM(3, 9, 12)

4) **7, 14, 21**

Factors of 7 = _____

Factors of 14 = _____

Factors of 21 = _____

LCM(7, 14, 21)

5) **10, 20, 25**

Factors of 10 = _____

Factors of 20 = _____

Factors of 25 = _____

LCM(10, 20, 25)

Least Common Multiple

Name: _____

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Find least common multiple by using prime factorization method.

1) **5, 10, 15**

Factors of 5 = 1, 5

Factors of 10 = 1, 2, 5, 10

Factors of 15 = 1, 3, 5, 15

LCM(5, 10, 15)

30

2) **20, 12, 4**

Factors of 20 = 1, 2, 4, 5, 10, 20

Factors of 12 = 1, 2, 3, 4, 6, 12

Factors of 4 = 1, 2, 4

LCM(20, 12, 4)

60

3) **3, 9, 12**

Factors of 3 = 1, 3

Factors of 9 = 1, 3, 9

Factors of 12 = 1, 2, 3, 4, 6, 12

LCM(3, 9, 12)

36

4) **7, 14, 21**

Factors of 7 = 1, 7

Factors of 14 = 1, 2, 7, 14

Factors of 21 = 1, 3, 7, 21

LCM(7, 14, 21)

42

5) **10, 20, 25**

Factors of 10 = 1, 2, 5, 10

Factors of 20 = 1, 2, 4, 5, 10, 20

Factors of 25 = 1, 5, 25

LCM(10, 20, 25)

100