

Least Common Multiple

Name: _____

Date: _____

Find least common multiple by using prime factorization method.

1) **10, 15, 25**

Factors of 10 = _____

Factors of 15 = _____

Factors of 25 = _____

LCM(10, 15, 25)

2) **20, 35, 40**

Factors of 20 = _____

Factors of 35 = _____

Factors of 40 = _____

LCM(20, 35, 40)

3) **16, 24, 36**

Factors of 16 = _____

Factors of 24 = _____

Factors of 36 = _____

LCM(16, 24, 36)

4) **12, 18, 27**

Factors of 12 = _____

Factors of 18 = _____

Factors of 27 = _____

LCM(12, 18, 27)

5) **12, 18, 24**

Factors of 12 = _____

Factors of 18 = _____

Factors of 24 = _____

LCM(12, 18, 24)

Least Common Multiple

Name: _____

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Find least common multiple by using prime factorization method.

1) **10, 15, 25**

Factors of 10 = 1, 2, 5, 10

Factors of 15 = 1, 3, 5, 15

Factors of 25 = 1, 5, 25

LCM(10, 15, 25)

150

2) **20, 35, 40**

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

Factors of 35 = 1, 5, 7, 35

Factors of 40 = 1, 2, 4, 5, 8, 10, 20, 40

LCM(20, 35, 40)

280

3) **16, 24, 36**

Factors of 16 = 1, 2, 4, 8, 16

Factors of 24 = 1, 2, 3, 4, 6, 8, 12, 24

Factors of 36 = 1, 2, 3, 4, 6, 9, 12, 18, 36

LCM(16, 24, 36)

144

4) **12, 18, 27**

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

Factors of 18 = 1, 2, 3, 6, 9, 18

Factors of 27 = 1, 3, 9, 27

LCM(12, 18, 27)

108

5) **12, 18, 24**

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

Factors of 18 = 1, 2, 3, 6, 9, 18

Factors of 24 = 1, 2, 3, 4, 6, 8, 12, 24

LCM(12, 18, 24)

72