

Least Common Multiple

Name: _____

Date: _____

Find least common multiple by using prime factorization method.

1) **36, 18, 15**

Factors of 36 = _____

Factors of 18 = _____

Factors of 15 = _____

LCM(36, 18, 15)

2) **36, 27, 18**

Factors of 36 = _____

Factors of 27 = _____

Factors of 18 = _____

LCM(36, 27, 18)

3) **40, 25, 20**

Factors of 40 = _____

Factors of 25 = _____

Factors of 20 = _____

LCM(40, 25, 20)

4) **16, 12, 6**

Factors of 16 = _____

Factors of 12 = _____

Factors of 6 = _____

LCM(16, 12, 6)

5) **30, 18, 15**

Factors of 30 = _____

Factors of 18 = _____

Factors of 15 = _____

LCM(30, 18, 15)

Least Common Multiple

Name: _____

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Find least common multiple by using prime factorization method.

1) **36, 18, 15**

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

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

Factors of 15 = 1, 3, 5, 15

LCM(36, 18, 15)

180

2) **36, 27, 18**

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

Factors of 27 = 1, 3, 9, 27

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

LCM(36, 27, 18)

108

3) **40, 25, 20**

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

Factors of 25 = 1, 5, 25

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

LCM(40, 25, 20)

200

4) **16, 12, 6**

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

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

Factors of 6 = 1, 2, 3, 6

LCM(16, 12, 6)

48

5) **30, 18, 15**

Factors of 30 = 1, 2, 3, 5, 6, 10, 15, 30

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

Factors of 15 = 1, 3, 5, 15

LCM(30, 18, 15)

90