

Least Common Multiple

Name: _____

Date: _____

Find the smallest multiple that three numbers have in common.

1) **36, 18, 15**

Multiples of 36 = _____

Multiples of 18 = _____

Multiples of 15 = _____

LCM(36, 18, 15)

2) **36, 27, 18**

Multiples of 36 = _____

Multiples of 27 = _____

Multiples of 18 = _____

LCM(36, 27, 18)

3) **40, 25, 20**

Multiples of 40 = _____

Multiples of 25 = _____

Multiples of 20 = _____

LCM(40, 25, 20)

4) **16, 12, 6**

Multiples of 16 = _____

Multiples of 12 = _____

Multiples of 6 = _____

LCM(16, 12, 6)

5) **30, 18, 15**

Multiples of 30 = _____

Multiples of 18 = _____

Multiples of 15 = _____

LCM(30, 18, 15)

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Find the smallest multiple that three numbers have in common.

1) **36, 18, 15**

Multiples of 36 = 36, 72, 108, 144, 180, 216, 252, 288

Multiples of 18 = 18, 36, 54, 72, 90, 108, 126, 144, 162, 180, 198

Multiples of 15 = 15, 30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180, 195

LCM(36, 18, 15)

180

2) **36, 27, 18**

Multiples of 36 = 36, 72, 108, 144, 180, 216, 252

Multiples of 27 = 27, 54, 81, 108, 135, 162, 189, 216

Multiples of 18 = 18, 36, 54, 72, 90, 108, 126, 144

LCM(36, 27, 18)

108

3) **40, 25, 20**

Multiples of 40 = 40, 80, 120, 160, 200, 240, 280

Multiples of 25 = 25, 50, 75, 100, 125, 150, 175, 200, 225

Multiples of 20 = 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220

LCM(40, 25, 20)

200

4) **16, 12, 6**

Multiples of 16 = 16, 32, 48, 64, 80, 96, 112, 128, 144

Multiples of 12 = 12, 24, 36, 48, 60, 72, 84, 96, 108, 120

Multiples of 6 = 6, 12, 18, 24, 30, 36, 42, 48, 54

LCM(16, 12, 6)

48

5) **30, 18, 15**

Multiples of 30 = 30, 60, 90, 120, 150, 180, 210

Multiples of 18 = 18, 36, 54, 72, 90, 108, 126, 144, 162

Multiples of 15 = 15, 30, 45, 60, 75, 90, 105, 120, 135

LCM(30, 18, 15)

90