Least Common Multiple

Name:_____   Date:_____

Find the smallest multiple that three numbers have in common.

1) **10, 15, 25**

Multiples of 10 = _____

Multiples of 15 = _____

Multiples of 25 = _____

LCM(10, 15, 25)

2) **20, 35, 40**

Multiples of 20 = _____

Multiples of 35 = _____

Multiples of 40 = _____

LCM(20, 35, 40)

3) **16, 24, 36**

Multiples of 16 = _____

Multiples of 24 = _____

Multiples of 36 = _____

LCM(16, 24, 36)

4) **12, 18, 27**

Multiples of 12 = _____

Multiples of 18 = _____

Multiples of 27 = _____

LCM(12, 18, 27)

5) **12, 18, 24**

Multiples of 12 = _____

Multiples of 18 = _____

Multiples of 24 = _____

LCM(12, 18, 24)

Least Common Multiple

Find the smallest multiple that three numbers have in common.

1) **10, 15, 25**

Multiples of 10 = 10,20,30,40,50,60,70,80,90,100,110,120,130,140,150

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

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

LCM(10, 15, 25)

150

2) **20, 35, 40**

Multiples of 20 = 20,40,60,80,100,120,140,160,180,200,220,240,260,280

Multiples of 35 = 35,70,105,140,175,210,245,280,315,350

Multiples of 40 = 40,80,120,160,200,240,280,320,360

LCM(20, 35, 40)

280

3) **16, 24, 36**

Multiples of 16 = 16,32,48,64,80,96,112,128,144,160,176

Multiples of 24 = 24,48,72,96,120,144,168,192

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

LCM(16, 24, 36)

144

4) **12, 18, 27**

Multiples of 12 = 12,24,36,48,60,72,84,96,108,120,132

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

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

LCM(12, 18, 27)

108

5) **12, 18, 24**

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

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

Multiples of 24 = 24,48,72,96,120,144

LCM(12, 18, 24)

72