Least Common Multiple

Find the smallest multiple that three numbers have in common.

1) **40, 35, 20**

Multiples of 40 = _____

Multiples of 35 = _____

Multiples of 20 = _____

LCM(40, 35, 20)

2) **40, 30, 12**

Multiples of 40 = _____

Multiples of 30 = _____

Multiples of 12 = _____

LCM(40, 30, 12)

3) **30, 25, 15**

Multiples of 30 = _____

Multiples of 25 = _____

Multiples of 15 = _____

LCM(30, 25, 15)

4) **36, 18, 9**

Multiples of 36 = _____

Multiples of 18 = _____

Multiples of 9 = _____

LCM(36, 18, 9)

5) **14, 8, 16**

Multiples of 14 = _____

Multiples of 8 = _____

Multiples of 16 = _____

LCM(14, 8, 16)

Least Common Multiple

Name:_____   Date:_____

Find the smallest multiple that three numbers have in common.

1) **40, 35, 20**

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

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

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

LCM(40, 35, 20)

280

2) **40, 30, 12**

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

Multiples of 30 = 30,60,90,120,150,180,210,240

Multiples of 12 = 12,24,36,48,60,72,84,96,108,120,132,144

LCM(40, 30, 12)

120

3) **30, 25, 15**

Multiples of 30 = 30,60,90,120,150,180,210,240,270

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

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

LCM(30, 25, 15)

150

4) **36, 18, 9**

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

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

Multiples of 9   = 9,18,27,36,45,54,63

LCM(36, 18, 9)

36

5) **14, 8, 16**

Multiples of 14 = 14,28,42,56,70,84,98,112,126,140

Multiples of 8   = 8,16,24,32,40,48,56,64,72,80,88,96,104,112,120,128

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

LCM(14, 8, 16)

112