

# Least Common Multiple

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Find the smallest multiple that three numbers have in common.**

1) **5, 10, 15**

Multiples of 5 = \_\_\_\_\_

Multiples of 10 = \_\_\_\_\_

Multiples of 15 = \_\_\_\_\_

LCM (5, 10, 15)

2) **20, 12, 4**

Multiples of 20 = \_\_\_\_\_

Multiples of 12 = \_\_\_\_\_

Multiples of 4 = \_\_\_\_\_

LCM (20, 12, 4)

3) **3, 9, 12**

Multiples of 3 = \_\_\_\_\_

Multiples of 9 = \_\_\_\_\_

Multiples of 12 = \_\_\_\_\_

LCM (3, 9, 12)

4) **7, 14, 21**

Multiples of 7 = \_\_\_\_\_

Multiples of 14 = \_\_\_\_\_

Multiples of 21 = \_\_\_\_\_

LCM (7, 14, 21)

5) **10, 20, 25**

Multiples of 10 = \_\_\_\_\_

Multiples of 20 = \_\_\_\_\_

Multiples of 25 = \_\_\_\_\_

LCM (10, 20, 25)

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**Find the smallest multiple that three numbers have in common.**

1) **5, 10, 15**

Multiples of 5 = 5, 10, 15, 20, 25, 30, 35, 40, 45

Multiples of 10 = 10, 20, 30, 40, 50, 60

Multiples of 15 = 15, 30, 45, 60, 75, 90

LCM (5, 10, 15)

30

2) **20, 12, 4**

Multiples of 20 = 20, 40, 60, 80, 100, 120

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

Multiples of 4 = 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68

LCM (20, 12, 4)

60

3) **3, 9, 12**

Multiples of 3 = 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42

Multiples of 9 = 9, 18, 27, 36, 45, 54, 63, 72

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

LCM (3, 9, 12)

36

4) **7, 14, 21**

Multiples of 7 = 7, 14, 21, 28, 35, 42, 49, 56, 63

Multiples of 14 = 14, 28, 42, 56, 70, 84

Multiples of 21 = 21, 42, 63, 84, 105, 126

LCM (7, 14, 21)

42

5) **10, 20, 25**

Multiples of 10 = 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110

Multiples of 20 = 20, 40, 60, 80, 100, 120, 140

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

LCM (10, 20, 25)

100