

Name : _____

Least Common Multiple

Sheet 1

Find the least common multiple for each pair of numbers.

1) 6, 9

Multiples of 6 : _____

Multiples of 9 : _____

LCM(6, 9) = _____

2) 12, 36

Multiples of 12 : _____

Multiples of 36 : _____

LCM(12, 36) = _____

3) 2, 3

Multiples of 2 : _____

Multiples of 3 : _____

LCM(2, 3) = _____

4) 20, 4

Multiples of 20 : _____

Multiples of 4 : _____

LCM(20, 4) = _____

5) 10, 5

Multiples of 10 : _____

Multiples of 5 : _____

LCM(10, 5) = _____

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Name : _____

Answer key

Sheet 1

Least Common Multiple

Find the least common multiple for each pair of numbers.

1) 6, 9

Multiples of 6 : 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, ...

Multiples of 9 : 9, 18, 27, 36, 45, 54, 63, 72, 81, 90, ...

LCM(6, 9) = 18

2) 12, 36

Multiples of 12 : 12, 24, 36, 48, 60, 72, 84, 96, 108, 120, 132, 144, 156, 168, 180, 192, 204, 216, 228, 240, 252, 264, 276, 288, 300, 312, 324, 336, 348, 360, ...

Multiples of 36 : 36, 72, 108, 144, 180, 216, 252, 288, 324, 360, ...

LCM(12, 36) = _____

3) 2, 3

Multiples of 2 : 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, ...

Multiples of 3 : 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60, 63, 66, 69, 72, 75, 78, 81, 84, 87, 90, 93, 96, 99, 102, ...

LCM(2, 3) = _____

4) 20, 4

Multiples of 20 : 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, 420, 440, 460, 480, 500, 520, 540, 560, 580, 600, ...

Multiples of 4 : 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100, ...

LCM(20, 4) = 20

5) 10, 5

Multiples of 10 : 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ...

Multiples of 5 : 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ...

LCM(10, 5) = 10

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