

Least Common Multiple

Find the least common multiple of each set of numbers.

1) 30, 45, 10

5	30	45	10
3	6	9	2
2	2	3	2
	1	3	1

LCM = $5 \cdot 3 \cdot 2 \cdot 2 = 90$

LCM(30, 45, 10) = 90

2) 26, 18, 52

2	26	18	52
13	13	9	26
	1	9	2

LCM = $2 \cdot 13 \cdot 9 \cdot 2 = 468$

LCM(26, 18, 52) = 468

$\begin{array}{r} 1 \\ 52 \\ \times 9 \\ \hline 468 \end{array}$

3) 2, 20, 32

2	2	20	32
2	1	10	16
	1	5	8

LCM = $2 \cdot 2 \cdot 5 \cdot 8 = 160$

LCM(2, 20, 32) = 160

4) 36, 24, 6

6	36	24	6
2	6	4	1
	3	2	1

LCM = $6 \cdot 2 \cdot 3 \cdot 2 = 72$

LCM(36, 24, 6) = 72

5) 17, 8, 48

LCM(17, 8, 48) = _____

6) 90, 30, 20

LCM(90, 30, 20) = _____

7) 28, 56, 84

LCM(28, 56, 84) = _____

8) 16, 12, 4

LCM(16, 12, 4) = _____

9) 6, 10, 4

LCM(6, 10, 4) = _____

10) 7, 14, 4

LCM(7, 14, 4) = _____