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$\frac{10}{10}$

Score: 26 18 52

2 13 2 3 2 4 3

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

$\frac{52}{\times 9}$
468
 $\frac{62}{\times 6}$
372

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

2	17	8	48
2	17	4	24
2	17	2	12
17	1	6	

LCM = $2 \cdot 2 \cdot 2 \cdot 6 \cdot 17 = 816$

LCM(17, 8, 48) = 816

6) 90, 30, 20

5	90	30	20
2	18	6	4
3	9	3	2
3	1	1	1

LCM = $5 \cdot 2 \cdot 3 \cdot 3 \cdot 2 = 180$

LCM(90, 30, 20) = 180

7) 28, 56, 84

7	28	56	84
2	4	8	12
2	2	4	6
1	2	3	

LCM = $7 \cdot 2 \cdot 2 \cdot 2 \cdot 3 = 168$

LCM(28, 56, 84) = 168

8) 16, 12, 4

4	16	12	4
4	4	3	1

LCM = $4 \cdot 4 \cdot 3 \cdot 1 = 48$

LCM(16, 12, 4) = 48

9) 6, 10, 4

2	6	10	4
3	5	2	

LCM = $2 \cdot 3 \cdot 5 \cdot 2 = 60$

LCM(6, 10, 4) = 60

10) 7, 14, 4

2	7	14	4
7	7	2	
1	1	2	

LCM = $7 \cdot 2 \cdot 2 = 28$

LCM(7, 14, 4) = 28

$\frac{5}{48}$
 $\times 17$
816