

Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.

2	12, 16, 24, 36
2	6, 8, 12, 18
2	3, 4, 6, 9
2	3, 2, 3, 9
3	3, 1, 3, 9
3	1, 1, 1, 3
	1, 1, 1, 1

$$L.C.M. = 2 \times 2 \times 2 \times 2 \times 3 \times 3$$

