Prime factorization of 12 using continuous division:

2	12
2	6
3	3
	1

Thus, the prime factorization of 12 is $2^2 \times 3$.
using continuous division:

2	12	16
2	6	8
	3	4

Thus, the prime factorization of 12 is $2^2 \times 3$.
using continuous division:

2	4	6	16
	2	3	8

Thus, the prime factorization of 12 is $2^2 \times 3$.
using continuous division:

2	4	6	16
2	2	3	8
	1	3	4

Thus, the prime factorization of 12 is $2^2 \times 3$.
using continuous division:

2	2	3	6
3	1	3	3
	1	1	1

Thus, the prime factorization of 12 is $2^2 \times 3$.