

Name: _____

Prime Factorization- Ladder Method

Find the Prime Factors of the following numbers. Be sure to list the prime factors in order from least to greatest.

Examples:

2	40
2	20
2	10
5	5
	1

Prime factorization of 40 = $2 \times 2 \times 2 \times 5$

2	36
2	18
3	9
3	3
	1

$36 = 2 \times 2 \times 3 \times 3$

2	126
3	63
3	21
7	7
	1

$126 = 2 \times 3 \times 3 \times 7$

1.

	24

_____ $\times$ _____ $\times$ _____ $\times$ _____ = 24

2.

	50

_____ $\times$ _____ $\times$ _____ = 50

3.

	27

_____ $\times$ _____ $\times$ _____ = 27

4.

	84

_____ $\times$ _____ $\times$ _____ $\times$ _____ = 84