

Name \_\_\_\_\_

# Prime Factorization

Find the Prime Factor of the following numbers by using Ladder Method.

1) 64

2	64
2	32
2	16
2	8
2	4
2	2

$$64 = 2 \times 2 \times 2 \times 2 \times 2 \times 2$$

2) 80

	80
2	40
2	20
2	10
2	5

$$80 = 2 \times 2 \times 2 \times 2 \times 5$$

3) 90

	90
2	45
3	15
3	5

$$90 = 2 \times 3 \times 3 \times 5$$

4) 72

	72
2	36
2	18
2	9
3	3

$$72 = 2 \times 2 \times 2 \times 3 \times 3$$

5) 120

	120
2	60
2	30
2	15
3	5

$$120 = 2 \times 2 \times 2 \times 3 \times 5$$

6) 150

	150
2	75
3	25
5	5

$$150 = 2 \times 3 \times 5 \times 5$$