Name: \_\_\_\_\_

Date: \_\_\_\_\_

Prime Factorization

Q1. How many factors does a prime number have? Sol.

Q2. What are the prime factors of 196?

Sol.

Q3. Write the smallest 5 digit number and express it as product of primes. Sol.

## **Prime Factorization**

- Q1. How many factors does a prime number have?
- Sol. Prime factors have two factors 1 and number itself.
- Q2. What are the prime factors of 196?

Sol.



 $196 = 2 \times 2 \times 7 \times 7$ 

- Q3. Write the smallest 5 digit number and express it as product of primes.
- Sol. Smallest 5 digit number is 10000.



 $10000 = 2 \times 2 \times 2 \times 2 \times 5 \times 5 \times 5 \times 5$