

Name: Class:

Prime factorization



a. What is the prime factorization of 8 ?

2×4

$1 \times 2 \times 4$

$2 \times 2 \times 2$

b. What is the prime factorization of 72 ?

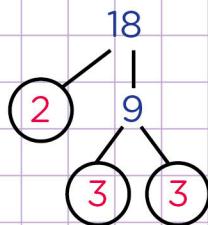
$2 \times 2 \times 2 \times 3 \times 3$

$2 \times 2 \times 3 \times 6$

$2 \times 6 \times 6$

c. Use a number tree to find the prime factors then write the prime factorization expression of each number ?

Example of 18 :



$18 = 2 \times 3 \times 3$

32

96

Name: Class:

Prime factorization

What is the prime factorization of 8 ?

2 × 4

1 × 2 × 4

2 × 2 × 2

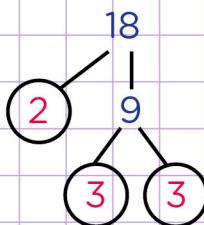
What is the prime factorization of 72 ?

2 × 2 × 2 × 3 × 3

2 × 2 × 3 × 6

2 × 6 × 6

Use a number tree to find the prime factors then write the prime factorization expression of each number ?

Example of 18 :

$$18 = 2 \times 3 \times 3$$

