

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 ?

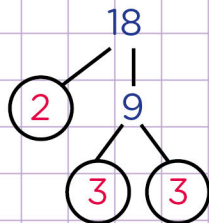
$2 \times 2 \times 2 \times 3 \times 3$

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

$2 \times 6 \times 6$

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

$1 \times 2 \times 4$

$2 \times 2 \times 2$

What is the prime factorization of 72 ?

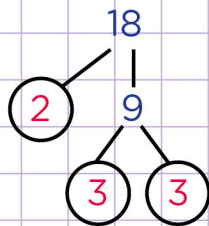
$2 \times 2 \times 2 \times 3 \times 3$

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

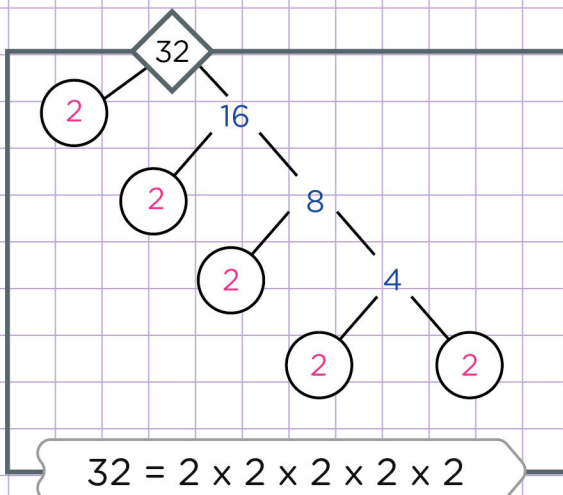
$2 \times 6 \times 6$

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

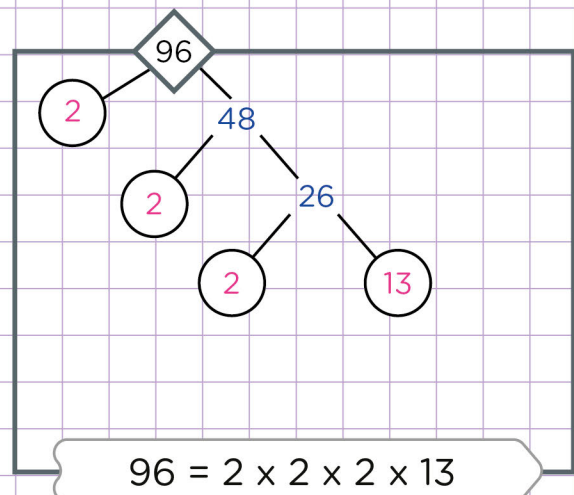
Example of 18 :



$18 = 2 \times 3 \times 3$



$32 = 2 \times 2 \times 2 \times 2 \times 2$



$96 = 2 \times 2 \times 2 \times 13$