

Name: Class:

Prime factorization

What is the prime factorization of 16?

2×4

$1 \times 2 \times 4$

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

What is the prime factorization of 36?

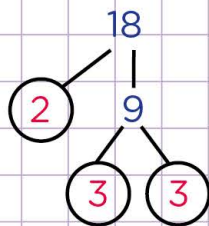
$2 \times 2 \times 3 \times 3$

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

$2 \times 6 \times 6$

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

.....

96

.....

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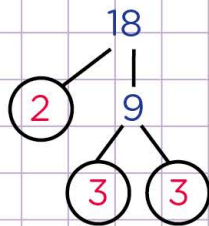
$2 \times 2 \times 3 \times 3$

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

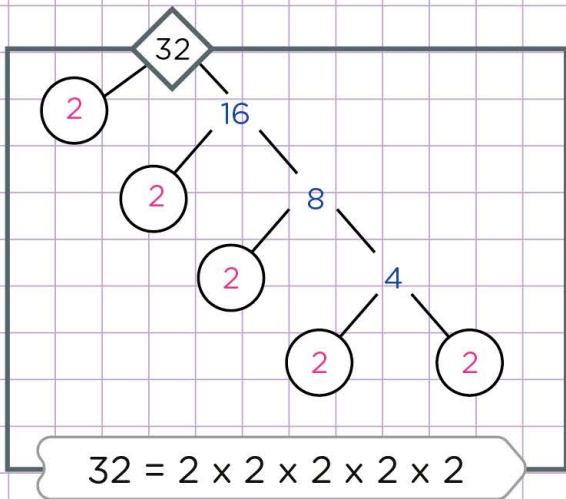
$2 \times 6 \times 6$

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

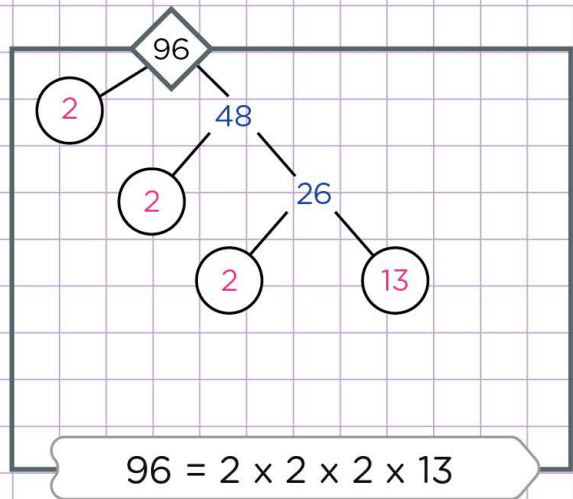
Example of 18 :



$18 = 2 \times 3 \times 3$



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



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