Prime Factorization · 1

Write 60 as a product of prime factors. List the primes from least to greatest, with commas.

Prime Factorization · 2

Fill in the missing exponent: $594 = 2 \times 3^{__} \times 11$

Prime Factorization · 3

Which number has the prime factorization $2^2 \times 3 \times 5$?

Prime Factorization · 4

Write 260 as a product of prime factors. List the primes from least to greatest, with commas.

Prime Factorization · 5

What is the greatest prime factor of 176?

Prime Factorization · 6

Fill in the missing exponent: $216 = 2^{__} \times 3^3$

Prime Factorization · 7

Write 168 as a product of prime factors. List the primes from least to greatest, with commas.

Prime Factorization · 8

Fill in the missing exponent: $132 = 2^{__} \times 3 \times 11$

Prime Factorization · 2

ANSWER

3

Prime Factorization · 1

ANSWER

2, 2, 3, 5

Prime Factorization · 4

ANSWER

2, 2, 5, 13

Prime Factorization · 3

ANSWER

60

Prime Factorization · 6

ANSWER

3

Prime Factorization · 5

ANSWER

11

Prime Factorization · 8

ANSWER

2

Prime Factorization · 7

ANSWER

2, 2, 2, 3, 7

Prime Factorization · 9

Which number has the prime factorization $2^3 \times 5 \times 13$?

Prime Factorization · 10

Write 300 as a product of prime factors. List the primes from least to greatest, with commas.

Prime Factorization · 11

How many different prime factors does 132 have?

Prime Factorization · 12

Fill in the missing exponent: $936 = 2^3 \times 3^{__} \times 13$

Prime Factorization · 13

Write 462 as a product of prime factors. List the primes from least to greatest, with commas.

Prime Factorization · 14

Fill in the missing exponent: $700 = 2^2 \times 5^{__} \times 7$

Prime Factorization · 15

Which number has the prime factorization $2 \times 3^2 \times 5^2$?

Prime Factorization · 16

Write 945 as a product of prime factors. List the primes from least to greatest, with commas.

Prime Factorization · 10

ANSWER

2, 2, 3, 5, 5

Prime Factorization · 9

ANSWER

520

Prime Factorization · 12

ANSWER

2

Prime Factorization · 11

ANSWER

3

Prime Factorization · 14

ANSWER

2

Prime Factorization · 13

ANSWER

2, 3, 7, 11

Prime Factorization · 16

ANSWER

3, 3, 3, 5, 7

Prime Factorization · 15

ANSWER

450

Prime Factorization · 17

What is the greatest prime factor of 150?

Prime Factorization · 18

Fill in the missing exponent: $450 = 2 \times 3^{_} \times 5^2$

Prime Factorization · 19

Write 735 as a product of prime factors. List the primes from least to greatest, with commas.

Prime Factorization · 20

Fill in the missing exponent: $975 = 3 \times 5^{_} \times 13$

Prime Factorization · 21

Which number has the prime factorization $2 \times 3^2 \times 13$?

Prime Factorization · 22

Write 770 as a product of prime factors. List the primes from least to greatest, with commas.

Prime Factorization · 23

How many different prime factors does 540 have?

Prime Factorization · 24

Fill in the missing exponent: $525 = 3 \times 5^{_} \times 7$

Prime Factorization · 18

ANSWER

2

Prime Factorization · 17

ANSWER

5

Prime Factorization · 20

ANSWER

2

Prime Factorization · 19

ANSWER

3, 5, 7, 7

Prime Factorization · 22

ANSWER

2, 5, 7, 11

Prime Factorization · 21

ANSWER

234

Prime Factorization · 24

ANSWER

2

Prime Factorization · 23

ANSWER

3