

Topic: Simplifying an Expression Raised to a Power

Problem:

Simplify the expression: 3^4

Answer:

81

Hints (2 Total):

Hint 1 / 2

The first step is to expand the expression. $3^4 = 3 \times 3 \times 3 \times 3$

Hint 2 / 2

The second step is to multiply from left to right.

Scaffold (1 Total):

Scaffold 1 / 1

$$3 \times 3 = ?$$

Scaffold Answer 1 / 1:

9

Hints (1 Total):

Hint 1 / 1

Multiply from left to right again.

Scaffold (1 Total):

Scaffold 1 / 1

$$9 \times 3 = ?$$

Scaffold Answer 1 / 1:

27

Hints (1 Total):

Hint 1 / 1

Finally, multiply the remaining two numbers together.

Scaffold (1 Total):

Scaffold 1 / 1

$$27 \times 3 = ?$$