

Name _____

Date _____

Evaluating Numerical Expressions with Exponents- Step-by-Step Lesson

Lesson 1 Exponent Problem:

Write the expression as an exponent.

$$4 \times 4 \times 4 \times 4 \times 4$$



Explanation:

The exponent of a number shows you how many times the number is being multiplied by itself.

The number of times it is multiplied by itself is written as a small number to the right and above the base number.

This number (4) is being multiplied by itself 5 times, so it will be written as:

$$4^5$$

In this: $4^5 = 4 \times 4 \times 4 \times 4 \times 4 = 1024$

Other names for an exponent are an index or a power.

