**Exponents Guided Notes**

The \_\_\_\_\_\_\_\_ tells you how many times a number, the \_\_\_\_\_\_\_, is used as a factor.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You call a number that is expressed using an exponent a \_\_\_\_\_\_\_\_\_\_\_\_.

is read “five to the third power”.

Example 1: Write 3 x 3 x 3 x 3 using an exponent.

Example 2: Write 6 x 6 x 6 x 6 x 6 using an exponent.

Practice

Write using an exponent.

1. 2 x 2 x 2 x 2
2. 5 x 5
3. 7 x 7 x 7 x 7 x 7
4. 10 x 10 x 10

Example 3: Simplify .

Example 4: Simplify .

Practice

Simplify