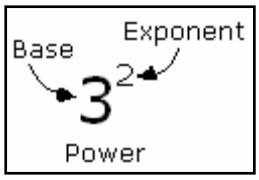
CHAPTER 3 Polynomials
3.2 Work With Exponents
Bases and Exponents



Example:

Consider the power 9^4. Identify the identical factor and the number of factors that there are.

Solution:

The base is 9. The identical factor is 9.

The exponent is 4. There are four identical factors.

Practice:

1. Consider the power 10^7. Identify the identical factor and the number of factors that there are.

2. Consider the power 2.5^3. Identify the identical factor and the number of factors that there are.

Answers:

1. The identical factor is 10. The number of factors is seven.

2. The identical factor is 2.5. The number of factors is three.