

Ch 8.1 Key Concepts 1 Exponents Worked Example

Example: Write 7^3 in expanded form.

Solution: The base is 7. The exponent is 3. The base must be multiplied by itself 3 times:

$$7^3 = 7 \times 7 \times 7$$

Practice:

1. Write 6^4 in expanded form.

2. Write $8 \times 8 \times 8 \times 8 \times 8$ in exponent form.

Answers: 1. $6 \times 6 \times 6 \times 6$ 2. 8^5