

### MATC9 Ch01.3 Key Concepts 1 Powers Worked Example

**Example:** Write  $3^5$  in expanded form.

**Solution:** The exponent is 5. Therefore, 3 must be multiplied by itself 5 times.

$$3^5 = 3 \times 3 \times 3 \times 3 \times 3$$

**Practice:**

1. Write  $7^3$  in expanded form.
2. Write  $4 \times 4 \times 4 \times 4 \times 4 \times 4$  in exponential form.

Answers: 1.  $7 \times 7 \times 7$     2.  $4^6$