**8.1 Key Concepts 2 Exponents Worked Example**

**Example**: Write $\left(\dfrac{3}{4}\right)^5$ in an equivalent form.

**Solution**: Both the numerator and the denominator must be raised to the exponent 5.

$$\left(\dfrac{3}{4}\right)^5 = \dfrac{3^5}{4^5}$$

**Practice**:

**1.** Write $\left(\dfrac{2}{3}\right)^4$ in an equivalent form.

**2.** Evaluate $\left(\dfrac{4}{7}\right)^3$.

Answers: 1. $\dfrac{2^4}{3^4}$  2. $\dfrac{64}{343}$.