

Lesson 7: Practice with Rational Bases

Cool Down: Working with Exponents

1. Rewrite each expression using a single, positive exponent:

a. $\frac{9^3}{9^9}$

b. $14^{-3} \cdot 14^{12}$

2. Diego wrote $6^4 \cdot 8^3 = 48^7$. Explain what Diego's mistake was and how you know the equation is not true.