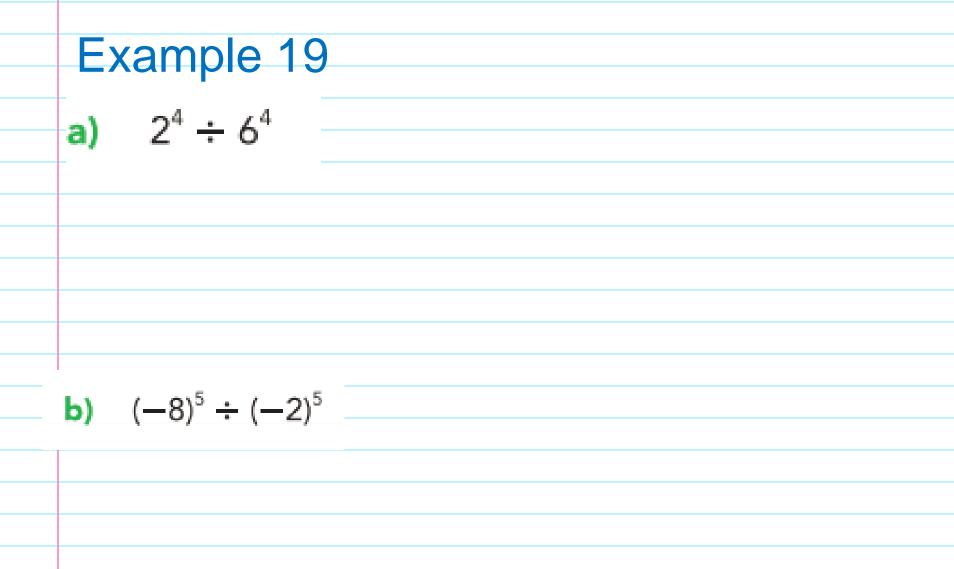
Objective

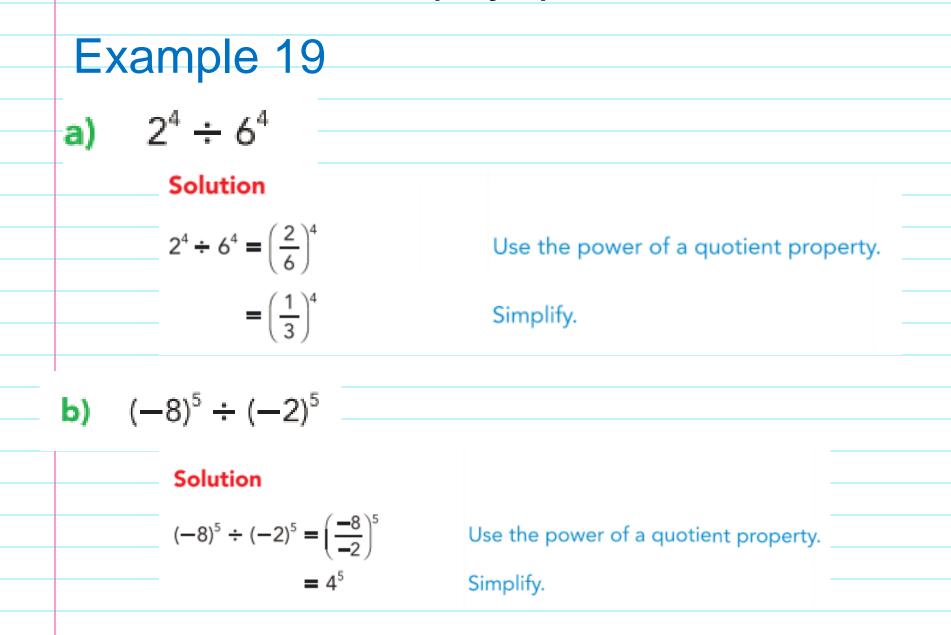
*Understand the power of a product property

*Understand the power of quotient property

*Use properties of exponents to simplify expressions

- Common Core State Standards 8.EE.1
- Mathematical Practices 4. Model mathematics. 5. Use tools strategically. 6. Attend to precision.

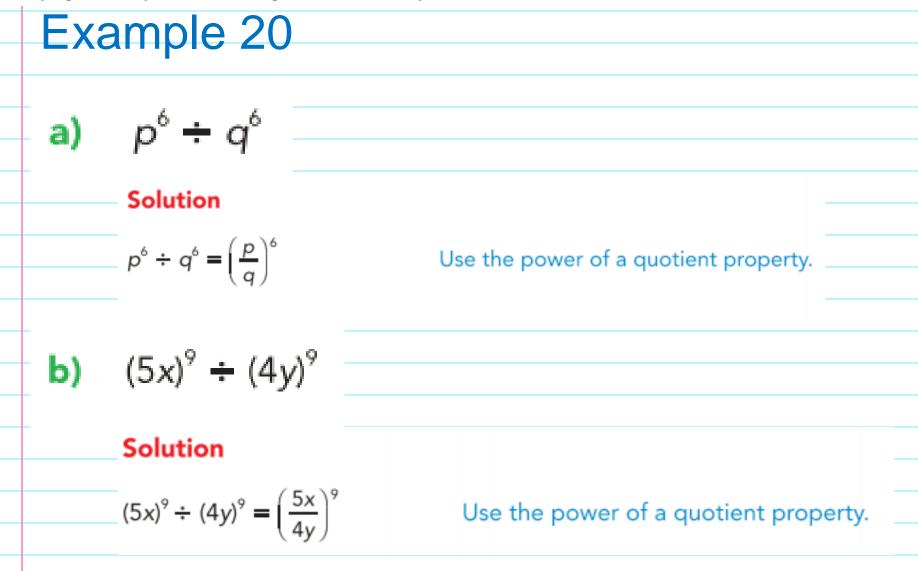


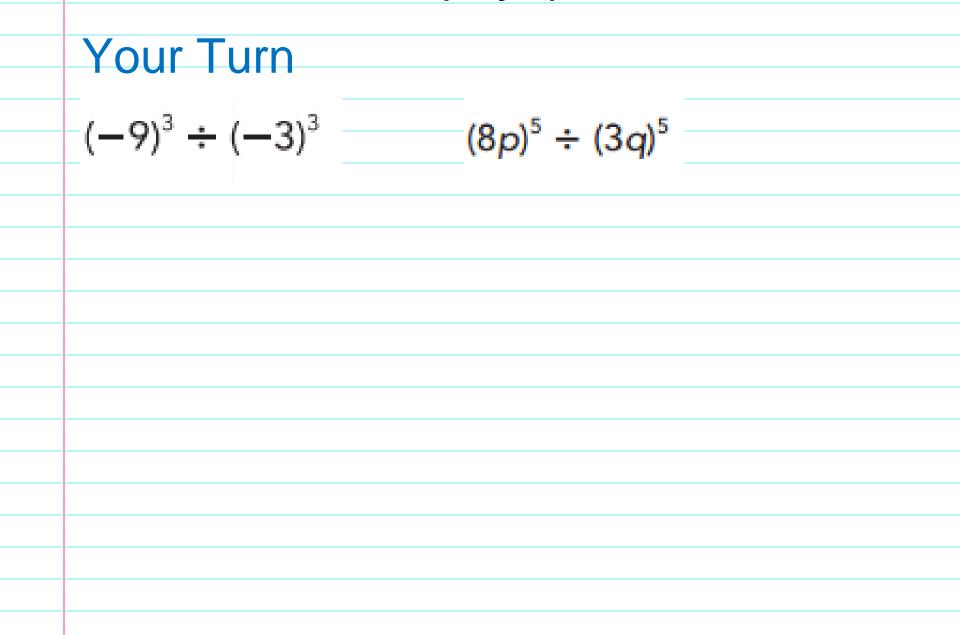


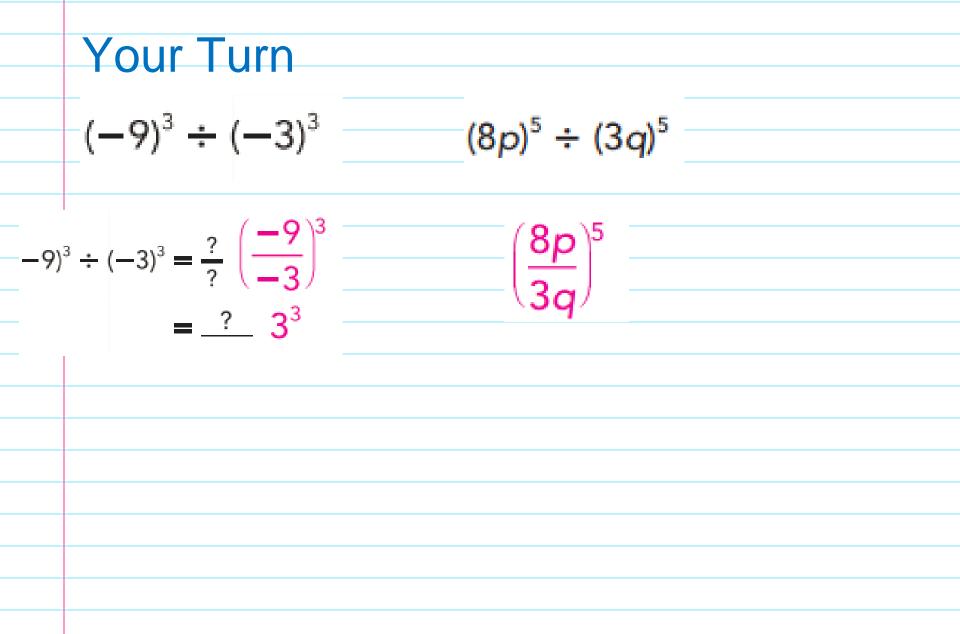
Simplify each expression. Write your answer in exponential notation.

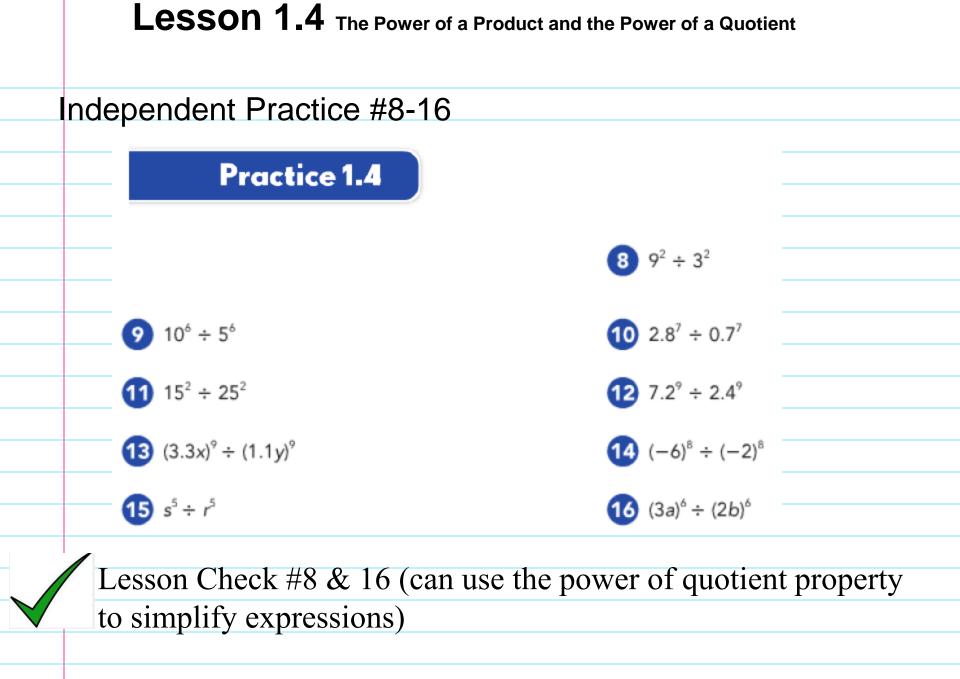
Example 20 a) $p^{\circ} \div q^{\circ}$ **b)** $(5x)^9 \div (4y)^9$

Simplify each expression. Write your answer in exponential notation.









Lesson 1.3 Powers of Powers

Understanding of Learning

Lesson 1.4 The Power of a Product and the Power of a Quotient



Ticket Out the Door

Using algebraic notation, state the power of a product property and the power of a quotient property.