

Name _____

Law Mastery Answer Key

1. Product of Powers
2. Quotient of Powers
3. Power of a Power
4. Power of a Product
5. Power of a Quotient
6. Product of Powers
7. Quotient of Powers
8. Power of a Power

Teacher's Guide

- Begin by reviewing each exponent law with one simple example before students start the worksheet.
- Encourage students to focus on the repeated multiplication first, then connect it to the exponent rule.
- Allow students to use the Word Bank during the first attempt. Cover it for an added challenge on a second attempt.
- Pair students to explain why each rule fits. Verbal reasoning strengthens conceptual understanding.
- Ask students to highlight the part of each expression that changes when the exponent law is applied.
- For support, provide color coding so matching bases are easier to identify.
- For enrichment, have students create one new example for each exponent law and exchange it with a classmate to solve.
- Finish with a class discussion comparing how the five exponent laws are alike and how they differ.