

Name _____

Power Proof Answer Key

1. True
2. False. Correct answer: $10^4 = 10,000$.
3. True
4. True
5. True
6. True
7. True
8. True
9. True. ($10^6 = 1,000,000$.)
10. True

Teacher's Guide

- Review the meaning of exponents before students begin, emphasizing that the exponent counts the number of factors of 10.
- Encourage students to explain why a false statement is incorrect before rewriting it.
- Allow students to use a powers of 10 chart if they need additional support.
- Have pairs discuss any statements where they disagreed and justify their reasoning.
- Ask students to write one true statement and one false statement about powers of 10 for a classmate to evaluate.
- Extend the lesson by having students create similar true or false statements using powers of 10 with decimals or larger exponents.