

Name _____

Power Table Answer Key

#	Power of Ten	Expanded Form	Standard Form
1	10^1	10	10
2	10^2	10×10	100
3	10^3	$10 \times 10 \times 10$	1,000
4	10^4	$10 \times 10 \times 10 \times 10$	10,000
5	10^5	$10 \times 10 \times 10 \times 10 \times 10$	100,000
6	10^6	$10 \times 10 \times 10 \times 10 \times 10 \times 10$	1,000,000
7	10^7	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	10,000,000
8	10^8	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	100,000,000
9	10^9	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	1,000,000,000
10	10^{10}	$10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	10,000,000,000

Teacher's Guide

- Review that the exponent tells how many factors of 10 are multiplied together.
- Encourage students to move between exponent form, expanded form, and standard form to strengthen understanding.
- Provide a powers of ten reference chart for students who need additional support.
- Ask pairs of students to explain how they determined each missing entry before checking answers.
- Challenge early finishers to continue the table with 10^{11} and 10^{12} .
- Extend the lesson by discussing how powers of ten relate to place value and scientific notation.