Exponent Calculator

Raise a non-negative base to a power, including negative and fractional exponents when defined. Negative bases accept integer exponents only; the result must be finite.

Formula: result = base ^ exponent

INPUTS AND EXAMPLE VALUES

Base: 2

Exponent: 10

CHECK THE DEFAULT EXAMPLE

Result: 1,024

LIMITS AND CONVENTIONS

Zero to a non-positive power and negative bases with noninteger exponents are rejected.

Floating-point results are approximations, not symbolic algebra or rational-root evaluation.

METHOD AND SOURCES

https://azhanmh.com/guides/tools/exponent-calculator

OpenStax - Prealgebra 2e: numbers, fractions and percentages: https://openstax.org/books/prealgebra-2e/pages/1-introduction

Display precision is for reporting; keep unrounded values for later calculations. Verify units and conventions. This reference does not replace institution, employer or network rules.