Percentage Calculator

Find a percent of a number, a part-to-whole percentage or directional change relative to the absolute original value. The absolute denominator makes movement from -80 to -40 a positive 50% change; it is a stated comparison convention, not an investment-return definition.

Formula: of = A * B / 100; part = A / B * 100; change = (B - A) / |A| * 100

INPUTS AND EXAMPLE VALUES

Calculation: of; choices: of (A% of B), part (A as a percentage of B), change (Change from A to B)

A: 25

B: 80

CHECK THE DEFAULT EXAMPLE

Result: 20

LIMITS AND CONVENTIONS

Part mode requires a nonzero whole; change mode requires a nonzero original value and divides by its absolute value.

Percentage-point differences and signed-base financial returns are different calculations.

METHOD AND SOURCES

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

OpenStax - General applications of percent: https://openstax.org/books/prealgebra-2e/pages/6-2-solve-general-applications-of-percent

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.