Hours Calculator

Calculate a clock-time duration and subtract an unpaid break. When the end clock is earlier than the start, the overnight option adds one day; it does not add a day to equal clock times.

Formula: paid minutes = end - start + overnight adjustment - break; hours = minutes / 60

INPUTS AND EXAMPLE VALUES

Start time: 09:00

End time: 17:30

Break minutes: 30

End may fall on the next day: not selected

CHECK THE DEFAULT EXAMPLE

Decimal hours: 8 hours

Minutes: 480 minutes

LIMITS AND CONVENTIONS

A single shift spans less than 24 hours; this is wall-clock arithmetic without daylight-saving rules.

Break time must be non-negative and no longer than the shift.

METHOD AND SOURCES

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

MDN - Date.UTC and calendar-date construction: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/UTC

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.