The Formula Check Worksheet

A formula that looks convincing still needs a test with an answer you calculated independently.

Copy this prompt

Explain this Excel formula in plain language. Identify every input cell, percentage assumption, rounding rule and error fallback. Propose test cases, including normal inputs, blank inputs, invalid text and boundary values. Do not mark it verified until I supply Excel's actual results. Formula: [paste].

Your checklist

1. Write the meaning first

State what each cell means and whether a discount is entered as 10% or 10. These are different inputs.

2. Calculate independently

For quantity 3, unit price 20 and discount 10%, the expected total is 54. Calculate this separately from the formula.

3. Run and record

Test =IFERROR(ROUND(A2*B2*(1-C2),2),"CHECK INPUT"). Record inputs, expected result, actual Excel result and pass/fail for each case.

4. Test beyond one row

Try 0 quantity, 0% discount, 100% discount and invalid text. Inspect references when copying rows. IFERROR catches formula errors; it does not prove the business logic is correct.

Worked example

Test log: A2 quantity 3 | B2 price 20 | C2 discount 10% | expected 54 | actual [ ]. Next: quantity 0 expects 0; discount 0% expects 60; discount 100% expects 0. Check whether those inputs are allowed for your task.

Your next check

Compare my independent expected values with the observed Excel results below. Identify mismatches and possible reference or assumption errors. Keep untested cases marked untested.

Read online: keybuilds.ai/formula-check

Sources checked Sep 10, 2026

Microsoft: IFERROR: Official reference

Microsoft: rounding: Official reference