

Logic 2 — Workshop: valid and sound

Logic · Lesson 2 · Workshop sheet

One lesson, worked alone, about 45 minutes. Tick each step. You need this sheet, your Lesson 2 handout, and the four codes below.

Step	min
☐ 1 • Key terms. Terms quiz (code 3), one round: definition → term. Under 9 of 12? Read the handout's key terms once, then a second round.	5
☐ 2 • Recall Lesson 1. Exercise 1 on the workshop page (code 1), from memory, before scrolling on.	3
☐ 3 • Stage 1 — the case first. Read the Loomis case, do Exercise 2, then write your side in your notebook: two or three sentences, side and one reason. Stage 3 needs this.	7
☐ 4 • Stage 2, Part A — validity. Exercises 3–5. Scroll the tables away before each.	10
☐ 5 • Part B — soundness. Exercises 6–7. Exercise 7 asks which premise <i>you</i> give up.	7
☐ 6 • Part C — spot the error. Exercises 8–9. Exercise 9's key says <i>cannot say yet</i> ; that is the point.	6
☐ 7 • Stage 3 — your verdict, with the tools. Exercise 10 from memory; rewrite your Stage 1 paragraph in three sentences; run the self-check.	5
☐ 8 • Compare. Only now open the model paragraphs (code 2) and mark your paragraph 1–4 against the checklist.	3

New in this lesson

- ▶ *Valid* is about form, not truth: could the premises all be true and the conclusion false? If yes, invalid, and the case you imagined is the proof.
- ▶ *Sound* = valid **and** all premises true. Two tests, in that order; most real disputes live at the second.
- ▶ Reject the conclusion of a valid argument and you owe a premise. Say which.
- ▶ The trap: “illogical” when you mean a premise is false.

If you get stuck

- ▶ Exercises 3–4: read table A3 aloud, close it, try again.
- ▶ Exercise 6: *valid?* first, without judging the premises. Then the premises. Sound follows.
- ▶ Exercise 8: does the sentence judge the form or a premise? Then pick the label.
- ▶ Stage 3: a reason that names the sentence or the *ProPublica* numbers names an outcome. Find the premise behind it.
- ▶ Anything else: ask me.



1 • Workshop page



2 • Model paragraphs



3 • Key terms quiz



4 • This sheet

All at salvemec.ch/toktok/core/ · On the back: which exercise went wrong at the first try. Next lesson starts there.