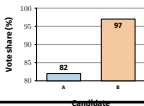


Push Tasks



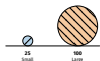
Critique misleading graphs using actual figures, not vague impressions.

- 1.** A campaign claims Candidate B is “miles ahead.” Quantify the true difference and critique the claim.



- 2.** Critique: “This pictogram just uses bigger pictures for bigger amounts, so it isn’t misleading.” What is wrong with this reasoning?

- 3.** This value quadruples (25 to 100), and the icon scales in both directions. Calculate its area’s growth factor.



- 4.** Explain why an axis-break symbol is sometimes criticised as “the illusion of honesty.” What does it fix, and what does it not fix?

Push Tasks

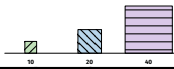


Reason about the ethics and real-world impact of misleading graph design.

5. A company's profit rises from \$95,000 to \$97,000 (about 2%), but is plotted on an axis from \$94,000 to \$98,000. Describe an honest redesign (without drawing).

6. A company plots its rising costs on a zero-baseline graph but its rising profits on a truncated axis. Explain the ethical issue, even though neither graph is technically incorrect on its own.

7. Each value here doubles in turn (10, 20, 40). Calculate how many times larger Large's icon appears in area compared with Small's.



8. Write a 3–4 sentence critique of a graph combining a truncated axis (no break) with an area-distorted icon. Invent figures and quantify the combined effect.