My tray planning sheet

Use drawings, talk or writing. A parent may read and record. Keep the model and worked page available, and note any supports used.

1. Observe: planned base = 6 × 4 cm; planned side height = 3 cm. My measured base = ____ × ____ cm; side height = ____ cm. What changed during folding?

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2. Explain: sketch one 1 cm-high layer. Why is 24 cm² an area but 72 cm³ a volume?

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3. Ratio: keep a 3:2 base ratio. If length is 12 cm, width is ____ cm. With height still 3 cm, ideal volume is ____ cm³ = ____ L. Show the common factor.

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4. Paper: show two ways to find the area of the original open tray's net. Why should you not add a lid area?

Optional decimal budget: imagine paper costs $0.30 per whole sheet and tape for one model costs $0.04. Budget one sheet per model; ignore leftover paper. How much for one model? Three models? These are invented prices, not a shopping quote.

Use planned sizes for questions 2–4, not your measured sizes. No mastery score, name or upload. Private observation sheet can record what was modeled and what the learner explained independently.