



Jules's Nested Workshop Note

**COMPLETE TO COLLECT****Tumbled Jade**

Level 2 · 4 Glints

JULES'S BUILD NOTE

Jules is preparing two matching display cabinets in the Jewelhouse Workshop.

- Each cabinet holds 3 velvet trays.
- Each tray holds 8 green settings and 4 gold settings.
- After filling a cabinet's trays, Jules clips 5 numbered tags to that cabinet.

**BUILD THE NOTE IN LAYERS**

Write one numerical equation for each step. Do not use letter variables.

- 1.** How many settings are in one tray?
Use 8 and 4 in your equation.

- 2.** How many settings are in all 3 trays of one cabinet? Use 3, 8, and 4 in one equation.

- 3.** How many objects are in one finished cabinet, including its 5 tags?
Use 3, 8, 4, and 5 in one equation.

- 4.** How many objects are in both finished cabinets? Use 2, 3, 8, 4, and 5 in one equation.

- 5.** Luna compressed the whole story this way:

$$2 \times 3 \times (8 + 4) + 5 = 77$$

Explain exactly what Luna's equation counts incorrectly. Then write one correct equation using 2, 3, 8, 4, and 5 each exactly once.

