

Trinomial Cube — Practice and Pattern Discovery

Base Sheet

Activity Sheet

Practicing the trinomial cube assembly with increasing independence, discovering the color patterns and algebraic relationships within the cube.

What You Need:

- Trinomial cube
- Work mat

Steps:

1. Present the trinomial cube in its box. 'This is the trinomial cube — the most challenging puzzle in our materials!'
2. Open the box. Point out the painted pattern on the lid and sides.
3. Remove the first layer carefully. 'We will start by putting just this first layer back, using the colors as a guide.'
4. Identify the pieces: red cube in the corner, then matching rectangular prisms along the edges.
5. Build the first layer. 'Every piece has a place — match the colors.'
6. Add the second and third layers with guidance.
7. Close the box. 'You built it! This is a cube that represents a mathematical formula.'

Work Space:

