

Binomial Cube

The binomial cube is a puzzle that is enjoyed by many children. The adult shows the child in a presentation how to build the cube, layer by layer. The lid and sides will not close properly unless the cubes are properly aligned inside the box.

Additional ways to use the material:

- Build it outside the box and “split it” so we see the inside -- secret: the inside looks just like the outside!
- Build the layers next to each other
- Build the cube blindfolded -- a favorite!

What your child may gain from working with this material:

- Visual discrimination of size and dimension
- Development of muscle control of the hand, which also prepares for writing
- Development of an intentional movement
- Indirect preparation for algebra
- Preparation for finding a cube root

Fun fact

The cubes and prisms used in this material are also part of the Trinomial Cube.

