

# POW #23 - Pre-Algebra

## -D Vision

POW ID: 2888

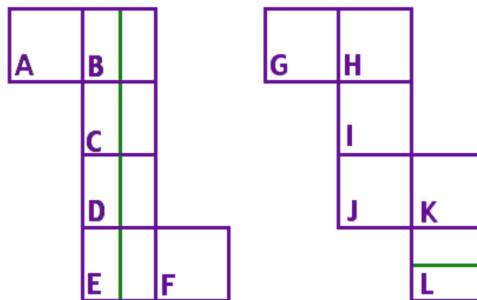
6th to 8th, Pre-Algebra, Pre-Algebra, Pre-Algebra Library

### Scenario

[\[ French version \]](#) [\[ Spanish version \]](#)

The pictures below are "nets" of a cube - a net is a two- dimensional pattern for a three-dimensional object. If you cut the nets out and fold them into three dimensions, you will get two cubes.

When you fold up the one on the left, what two-dimensional shape is made by the green line segments on the faces of the cube? (The line segments connect the middles of the edges from which they're drawn.) Make sure you explain how you figured it out.



### Extra

**Extra:** Starting with the line I've drawn, where would you draw the lines on the net at the right so that they'll make the same shape?

*Note:* Here are larger versions of the nets shown above: [net shown on the left](#) and [net shown on the right](#).

***Submit your solution in a GoogleDoc that is in your Mathematics Folder.  
You must explain your solution in sentences! Use the classroom scanner  
to scan documents and email to yourself.***