Pattern Blocks Idea Book

www.doodlesandjots.com

Deducing Angles

Determine angles by what you know (circle is 360° around, sum of interior angles by shape: 3sided 180°, 4sided 180°, 6sided 180°)

Visualizing Fractions

1/6 + 1/3 + 1/2 = 1

use shapes to visualize adding and subtracting, below represent a whole, red 1/2, blue 1/3, and green 1/6

Playing with Patterns

Create a simple linear pattern, switch 1 out and see if your buddy can find the 1 that does not belong

Create radial patterns for fun

Experimenting with Symmetry

Make a design along a line and mirror it, then try mirroring it again along a second line.

Practicing Imitation

Arrange some shapes and see if your buddy can copy your creation, here is one to get you started

Comparing Area

If the area of the small hexagon is X, you can determine the area of the large hexagon by rearranging the shapes

Representational Art

Try combining shapes to create realistic looking objects, animals, and environments