

Constructive Triangles — Advanced Designs and Transformations

Base Sheet

The child uses all boxes of constructive triangles to create complex geometric designs, discovering how triangles transform into other shapes. This advanced extension applies all sensorial knowledge to creative geometric problem-solving.

What You Need:

- All constructive triangle boxes
- Large work mat
- Paper for tracing designs
- Colored pencils
- Ruler

Steps:

1. Set out all constructive triangle boxes.
2. Review: 'Two triangles can make a square, a rectangle, a parallelogram, a larger triangle. What else can you create?'
3. Challenge 1: 'Can you make a hexagon using only triangles?'
4. Challenge 2: 'Create a star shape.'
5. Challenge 3: 'Build the largest shape you can using ALL the triangles.'
6. The child traces their favorite design on paper and colors it.
7. Discuss: 'Every shape can be broken into triangles — triangles are the building blocks of geometry!'

Work Space:



