

## Set #6 Constructive Blue Triangles

Set of (12) Right Angled Scalene Triangles with no black lines. Triangles are colored blue on both sides (front and back). Each triangle has angles of 30, 60, and 90 degrees.

Through the following exercises the child experiences sensorially the concept of 360 degrees in a circle. Without overlapping the triangles, stars and diaphragms are formed:

### Star with 12 points:

put the smallest angles together  
(12) triangles x 30 degrees = 360°

### Star with 6 points:

put the medium angles together  
(6) triangles x 60 degrees = 360°

### Star with 4 points:

put the largest angles together  
(4) triangles x 90 degrees = 360°

### Diaphragm with 12 sides:

starting with the 12 point star  
pull the center points of the triangles apart so that the outer edges are even, leaving a circle in center of the figure (like the lens of a camera).

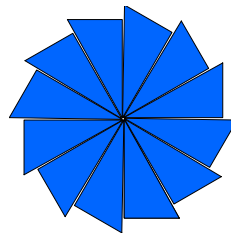
### Diaphragm with 6 sides:

starting with the 6 point star  
pull the center points of the triangles apart so that the outer edges are even, leaving a hexagon in center of figure.

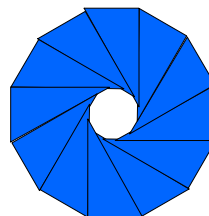
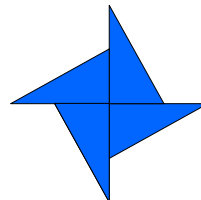
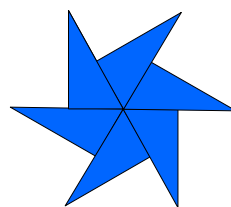
### Diaphragm with 4 sides:

starting with 4 point star, pull the center points of the triangles apart so that the outer edges are even, forming square in the center of figure.

You need a total of 12 triangles for this exercise. Each triangle is cut from a blue rectangle 15 cm by 8.5 cm cut on the diagonal.



STARS



DIAPHRAGMS

