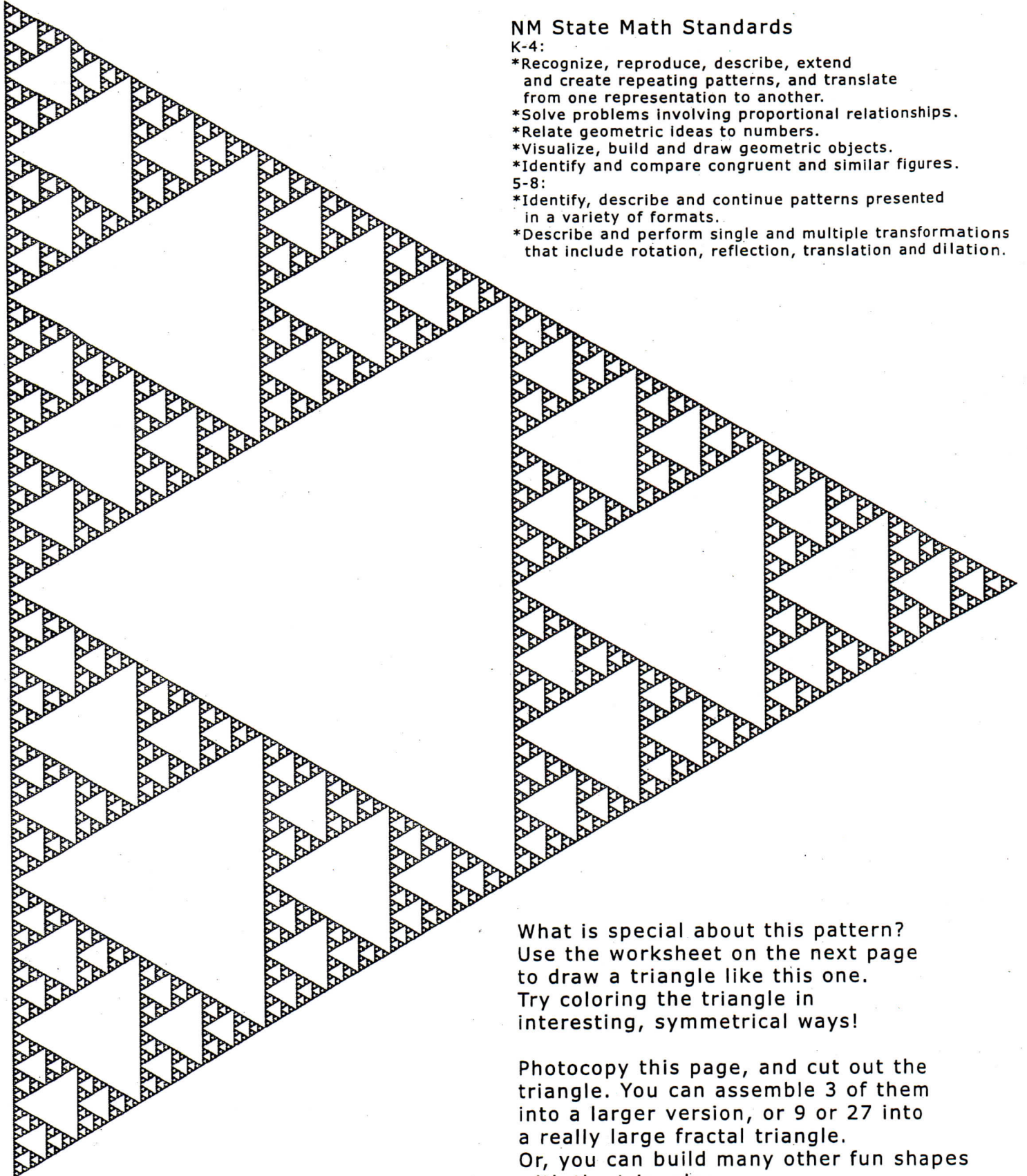


# Sierpinski Triangle Fractal



## NM State Math Standards

K-4:

- \*Recognize, reproduce, describe, extend and create repeating patterns, and translate from one representation to another.
- \*Solve problems involving proportional relationships.
- \*Relate geometric ideas to numbers.
- \*Visualize, build and draw geometric objects.
- \*Identify and compare congruent and similar figures.

5-8:

- \*Identify, describe and continue patterns presented in a variety of formats.
- \*Describe and perform single and multiple transformations that include rotation, reflection, translation and dilation.

What is special about this pattern?  
Use the worksheet on the next page  
to draw a triangle like this one.  
Try coloring the triangle in  
interesting, symmetrical ways!

Photocopy this page, and cut out the  
triangle. You can assemble 3 of them  
into a larger version, or 9 or 27 into  
a really large fractal triangle.  
Or, you can build many other fun shapes  
with the triangles