

Name: _____
Date: _____

Strategy: Geometry
Worksheet: Solving Investigations

Work on each of these investigations and show how you solve the problems by drawing the answers.

Problem 1: Using 4 equilateral triangles how many different shapes can you make with full sides touching?



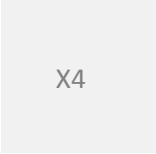
Problem 2: Using 5 equilateral triangles how many different shapes can you make with full sides touching?

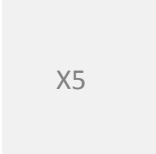


Problem 3: Using 6 equilateral triangles how many different shapes can you make with full sides touching?



Work on each of these investigations and show how you solve the problems by drawing the answers.

Problem 4: Using 4 squares how many different shapes can you make with full sides touching?	
	

Problem 5: Using 5 squares how many different shapes can you make with full sides touching? Some of these shapes fold into open boxes, some will not	
Draw the shapes that fold into an open box here...	Draw the shapes that DO NOT fold into an open box here...
	

Problem 6: Using 6 squares how many different shapes can you make with full sides touching? Some of these shapes will fold into a closed box (cube) and some will not	
Draw the shapes that fold to make a cube here...	Draw the shapes that DO NOT fold to make a cube here...
