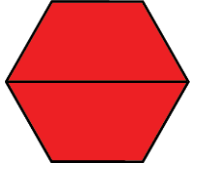


# Building Hexagons from Trapezoids



**Materials:** trapezoid pattern blocks

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1. Work with a partner. Build a hexagon using two trapezoids.
2. Build the next size hexagon using only trapezoid pattern blocks.
3. Continue building with trapezoids until you have five different sized hexagons. Order your hexagons from smallest to largest. Record your data in a table.

Hexagon	Number of trapezoids used
1	2
2	
3	
4	
5	

4. Describe any patterns that you notice in the number of trapezoids in consecutive hexagons. Can you find a rule for the pattern? How many trapezoids would it take to build the tenth hexagon?