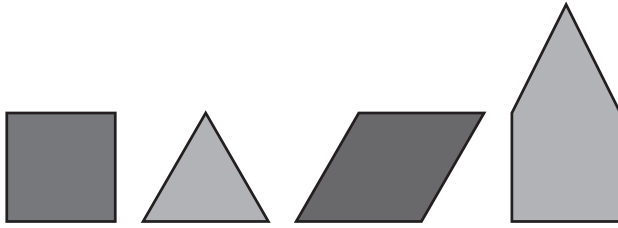
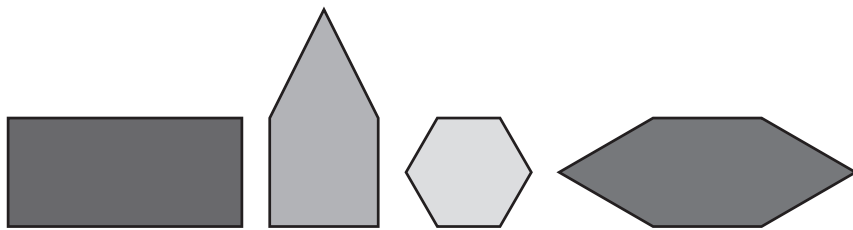


**Use Pattern Blocks to model the shapes.**

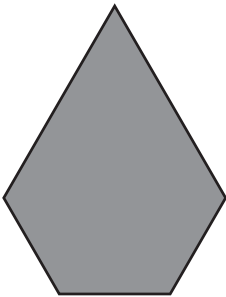
1. Circle 2 quadrilaterals.



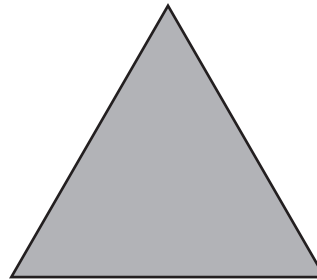
2. Circle 2 hexagons.

**Model the shape. Draw or trace a shape that has at least one same property.**

3.



4.

**Use Pattern Blocks to model and trace the shapes described.**

5. 4 different quadrilaterals

Name \_\_\_\_\_

**Challenge!** Jessica says that all rhombuses are quadrilaterals. Mike says all quadrilaterals are rhombuses. Who is right? Explain your answer using words and drawings.

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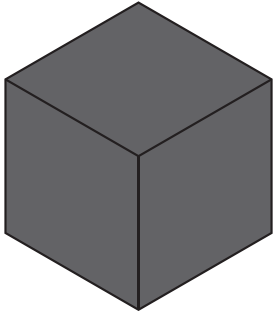
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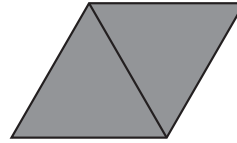
**Use Pattern Blocks of equal size to divide the shape. Determine the number of equal pieces. Write the fraction for one piece.**

1. yellow hexagon, divided using blue rhombuses



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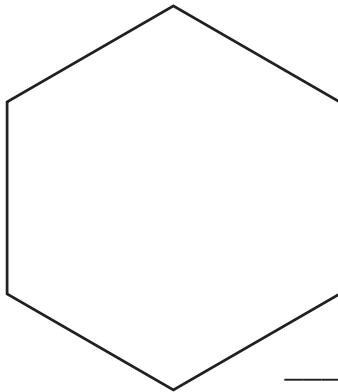
2. blue rhombus, divided using green triangles



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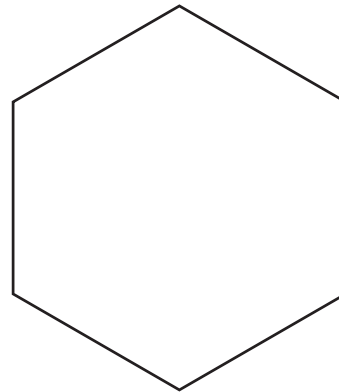
**Use Pattern Blocks of equal size to divide the shape. Draw the model. Write the fraction for one piece.**

3. hexagon, divided using red trapezoids



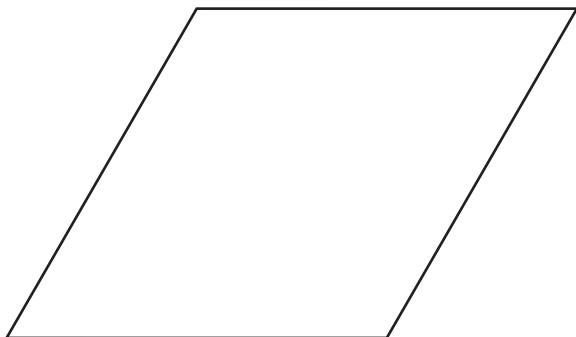
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4. hexagon, divided using green triangles



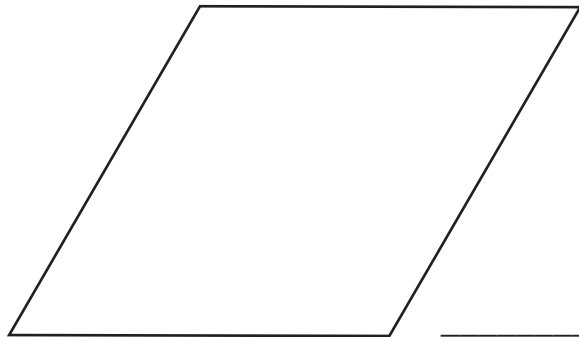
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5. parallelogram, divided using blue rhombuses



\_\_\_\_\_

6. parallelogram, divided using green triangles



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Name \_\_\_\_\_

**Challenge!** Explain why the smaller pieces you used in the previous problems must be of equal size to describe fractions of larger shapes.

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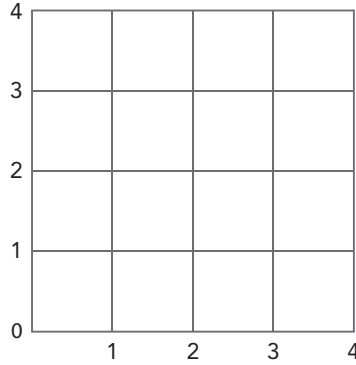
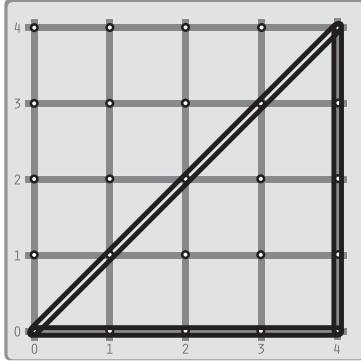
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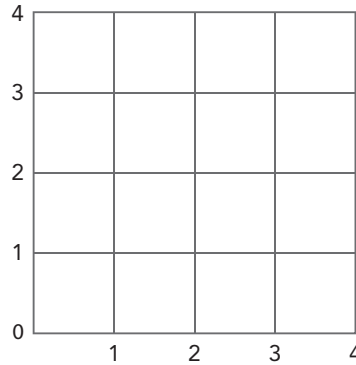
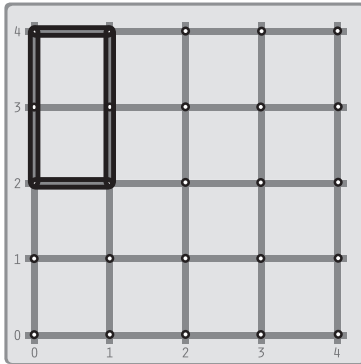
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Use a Geoboard to model a whole shape using the part given.  
 Draw the whole shape on the grid.

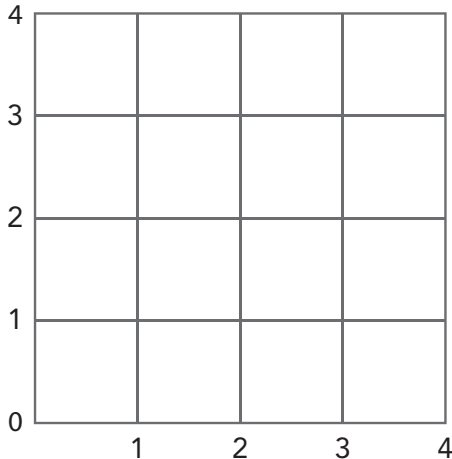
1. triangle =  $\frac{1}{2}$  square



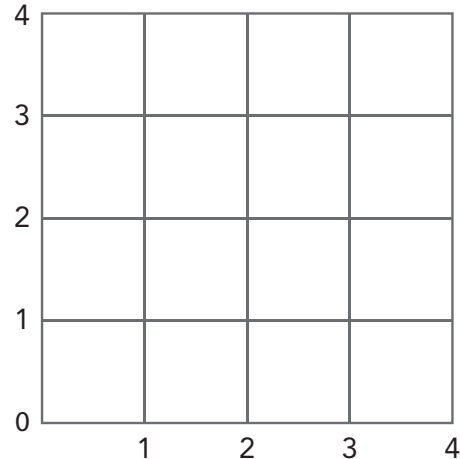
2. rectangle =  $\frac{1}{4}$  rectangle



3. square =  $\frac{1}{9}$  square



4. trapezoid =  $\frac{1}{2}$  hexagon



Name \_\_\_\_\_

**Challenge!** Cheryl says she can make a pentagon on her Geoboard using 6 right triangles. Use your Geoboard to try this, and draw the shapes to show if Cheryl is correct. Describe your work.

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