

Grade 5 Unit 7

Lesson 6

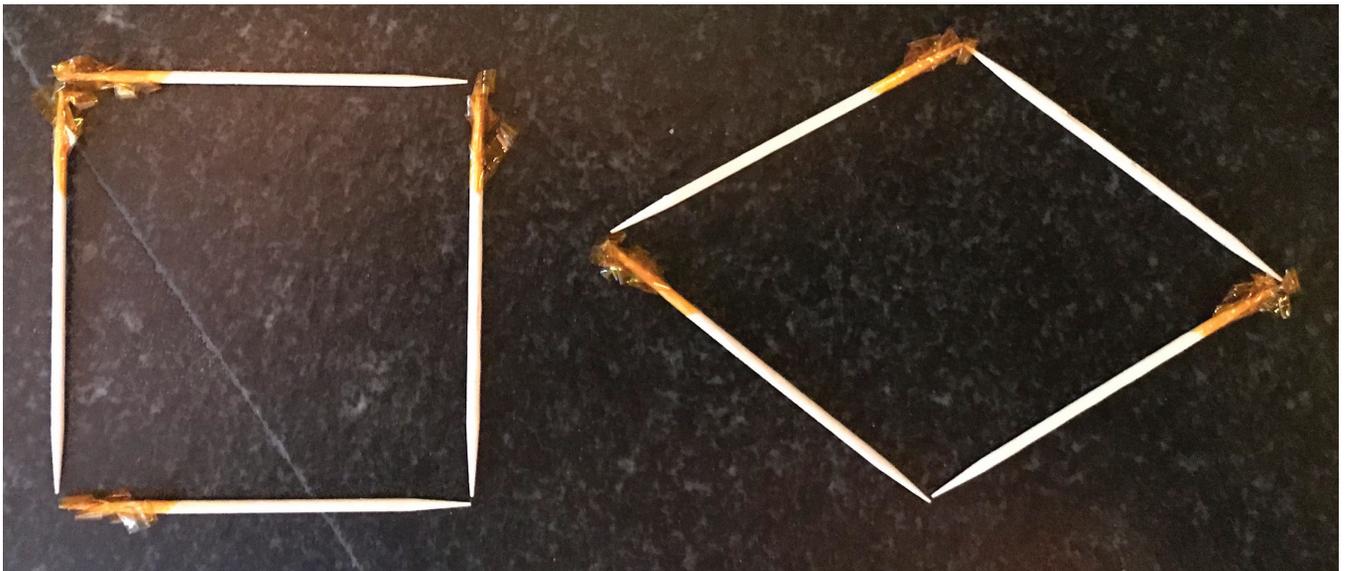
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Unit 7 Lesson 6: Hierarchy of Quadrilaterals

WU Notice and Wonder: Squares and Rhombuses (Warm up)

Student Task Statement

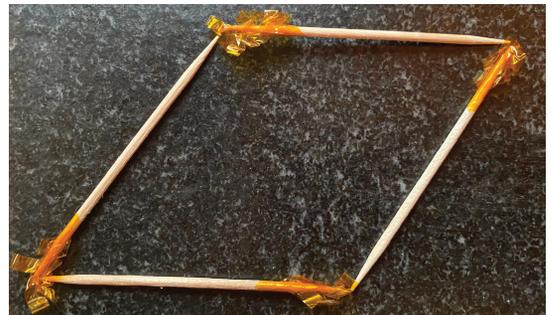
What do you notice? What do you wonder?



1 Shapes with Toothpicks

Student Task Statement

1. Build a square with your toothpicks. How do you know it is a square?
2. Use the same four toothpicks to build this shape. What stayed the same? What changed?



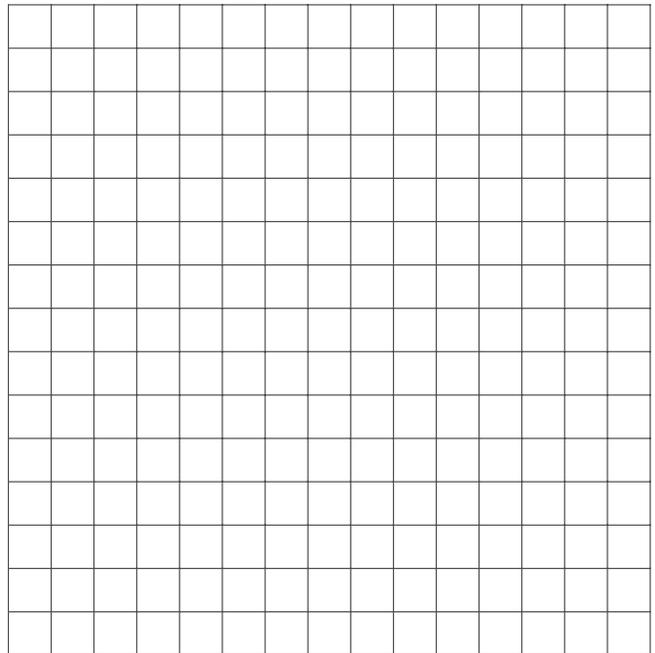
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- Build a rectangle with six toothpicks. How do you know it is a rectangle?
 - Use the same six toothpicks to build this shape. What stayed the same? What changed?



2 Three Quadrilaterals

Student Task Statement

- Draw 3 different quadrilaterals on the grid, making sure at least one of them is a parallelogram.

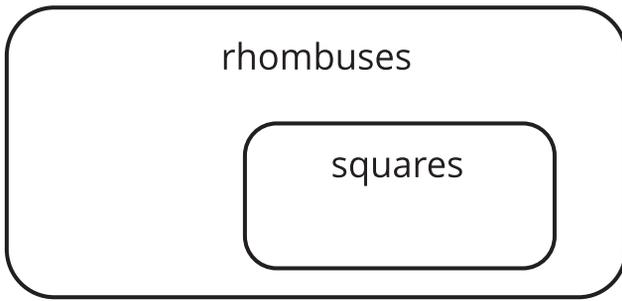


- For each of your quadrilaterals determine if it is a:
 - square
 - rhombus
 - rectangle
 - parallelogram

Explain or show your reasoning.

- Draw a rhombus that is not a square. Explain or show how you know it is a rhombus but not a square.
- Draw a rhombus that is a square. Explain or show how you know it is a rhombus and a square.
- Diego says that it is impossible to draw a square that is not a rhombus. Do you agree with him? Explain or show your reasoning.

Activity Synthesis



Images for Activity Synthesis

