

Grade 4 Unit 8

Lesson 6

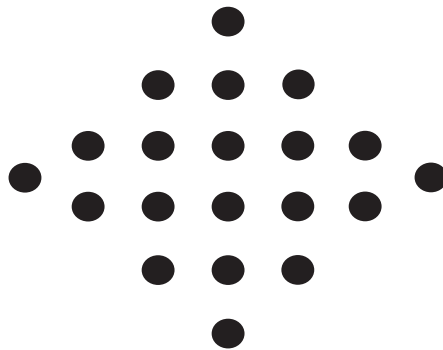
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Unit 8 Lesson 6: All Kinds of Attributes

WU How Many Do You See: Dot after Dot (Warm up)

Student Task Statement

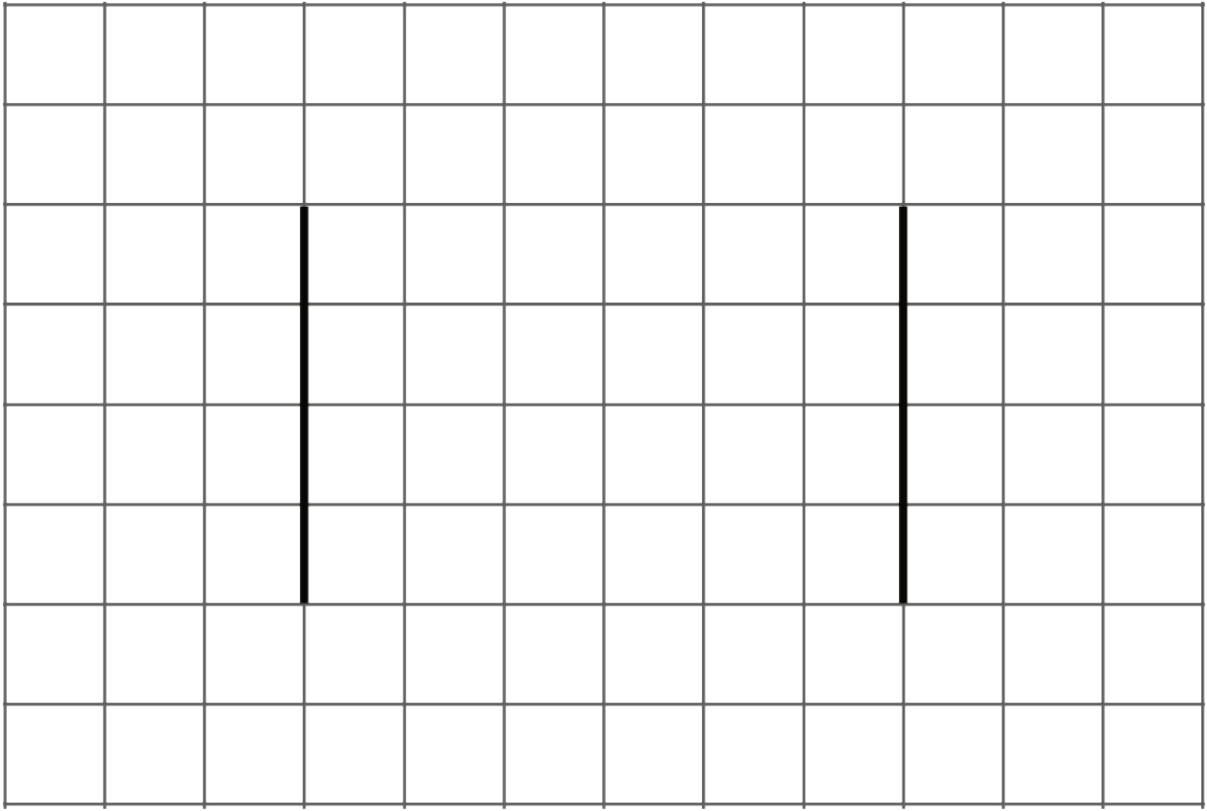
How many do you see? How do you see them?



1 You're Gonna Draw It: It's Symmetric

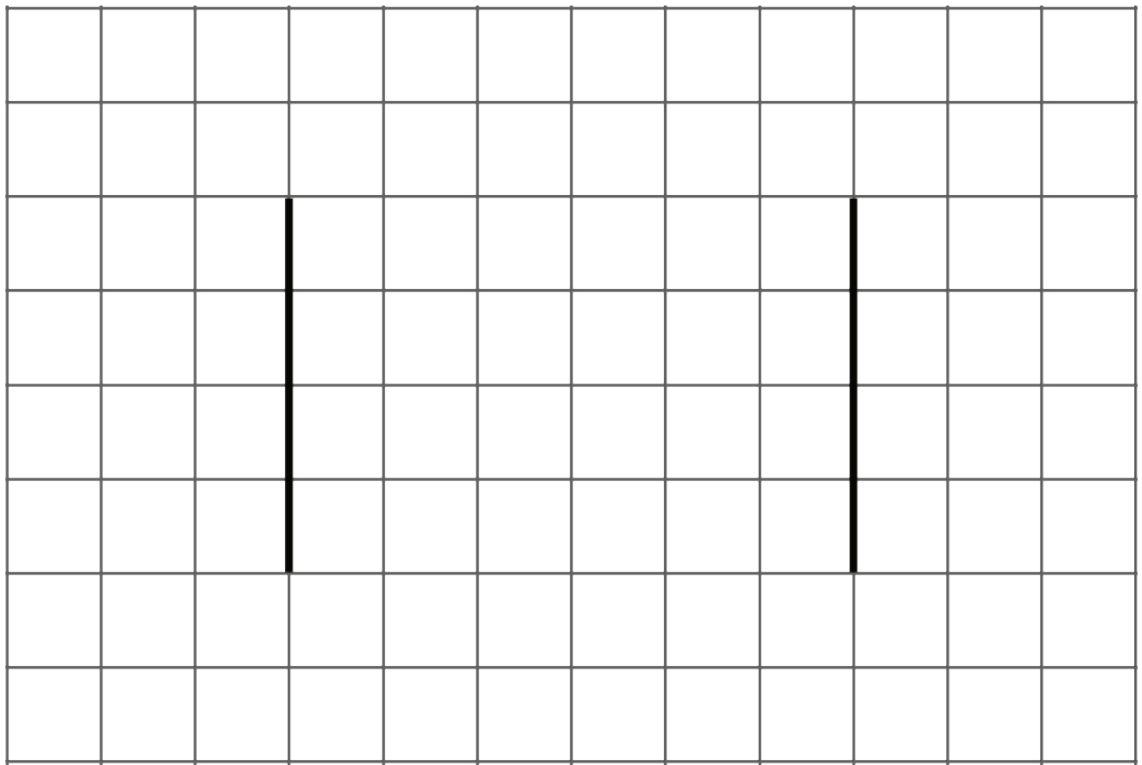
Student Task Statement

1. Here is a pair of parallel segments that have the same length.

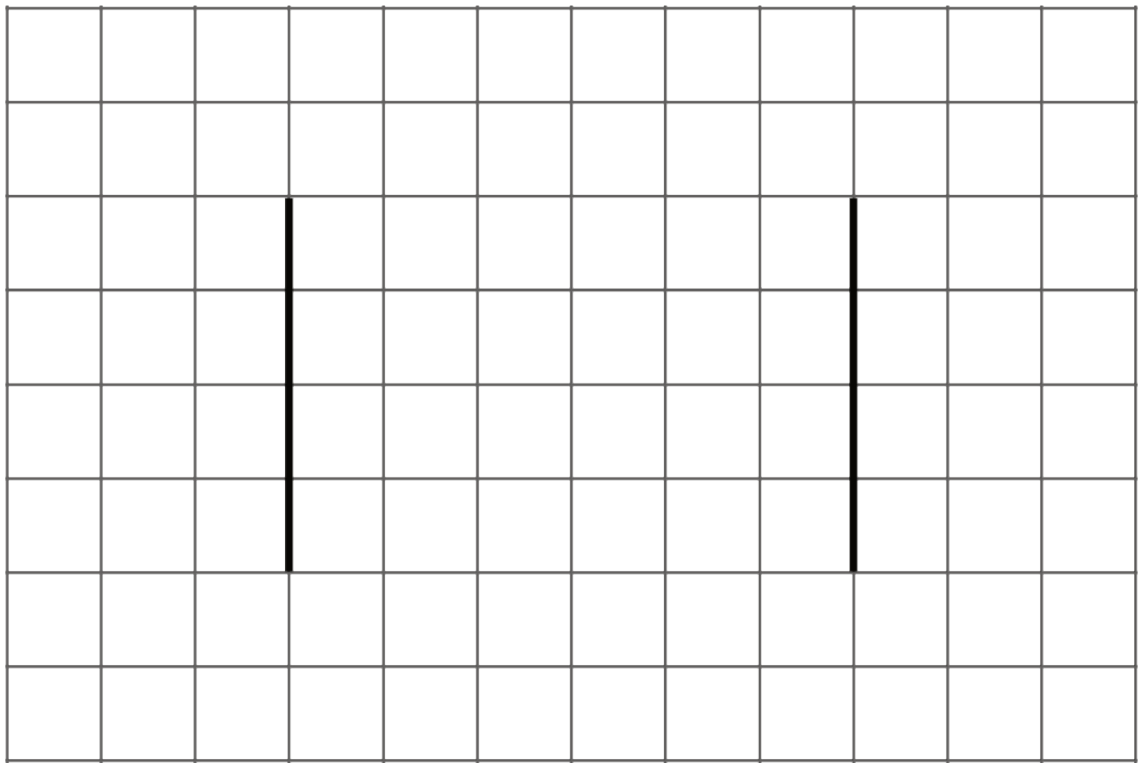


Add one or more segments to create a figure with only 1 line of symmetry.

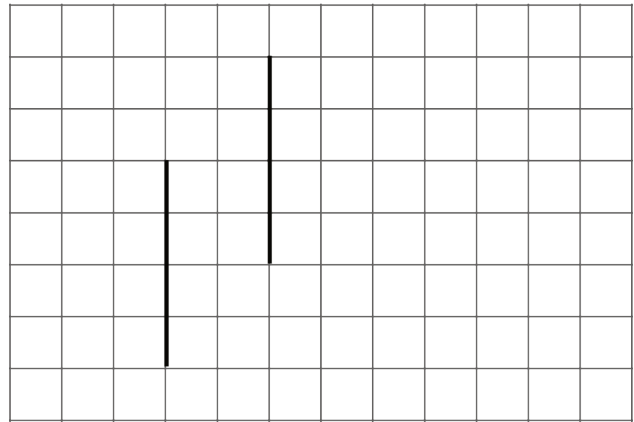
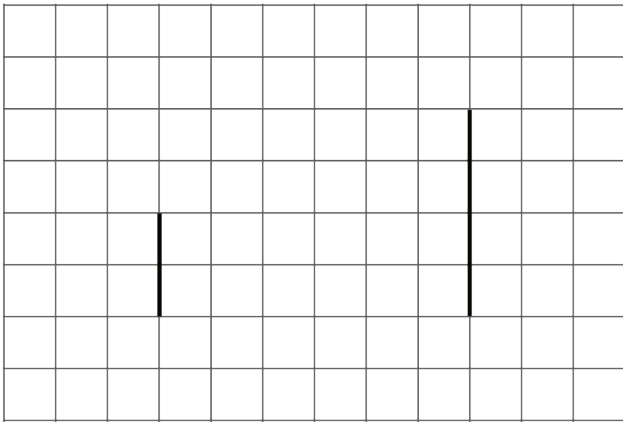
2. Here are two more pairs of parallel segments. Add more segments to make:
 - a. a figure with 2 lines of symmetry



b. a figure with no lines of symmetry



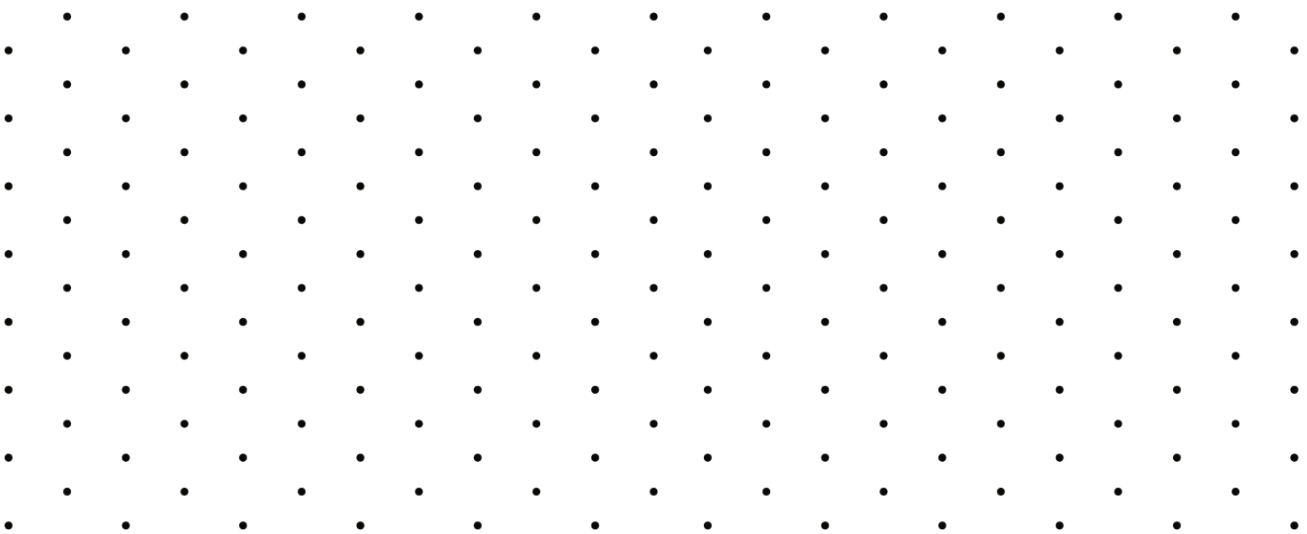
If you have time: Here are some other pairs of parallel lines. Add more segments to create a figure with 1 line of symmetry.



2 Hidden Shapes

Student Task Statement

Here is a field of dots.



Can you connect the dots to create each of the following shapes? If so, draw the shapes. If not, be prepared to explain your reasoning.

1. A triangle with only one line of symmetry
2. A quadrilateral with only one line of symmetry
3. A quadrilateral with two pairs of parallel sides
4. A quadrilateral with one pair of perpendicular sides
5. A rectangle
6. A six-sided shape with only one line of symmetry

Images for Activity Synthesis

