Illustrative Mathematics

Grade 4 Unit 7
Lesson 4
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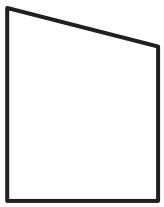
Unit 7 Lesson 4: Points and Lines All Around

WU Which One Doesn't Belong: Four-sided Shapes (Warm up)

Student Task Statement

Which one doesn't belong?

A



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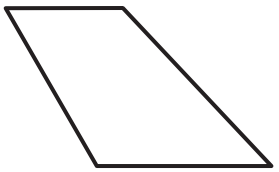

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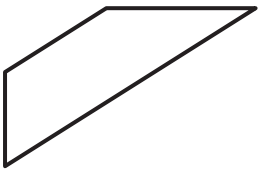

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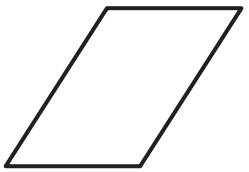


1 Spot Lines and Line Segments

Student Task Statement

1. Here is a map of a neighborhood in Staten Island, New York.

On the map, find and label the following items:

- 4 line segments of different lengths
- 3 pairs of parallel lines
- 2 pairs of lines that are not parallel

(Consider using different colors for the different types of lines.)

2. In the words WHALE and JOY,

which letter has:

a. No parallel segments? _____
b. Exactly one pair of parallel segments? _____
c. More than one pair of parallel segments? _____
d. Only one segment? _____

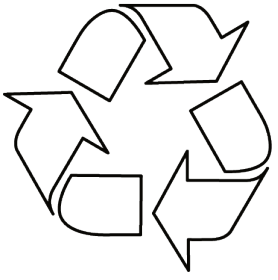
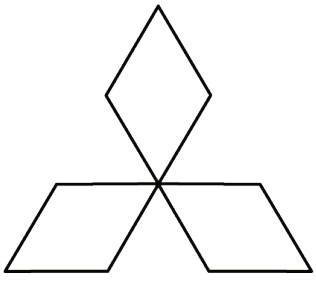
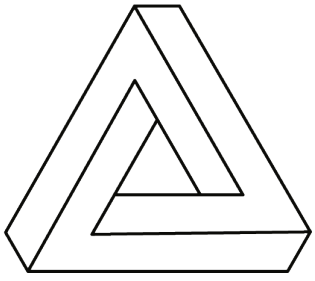
If you have time: Which does the uppercase alphabet use more: parallel segments or intersecting segments?

2 Draw and Design with Lines

Student Task Statement

1. Draw a sketch of a part of our classroom and be sure to include:
   a. at least 3 pairs of parallel line segments
   b. intersecting line segments that make square corners
   c. intersecting line segments that don't make square corners

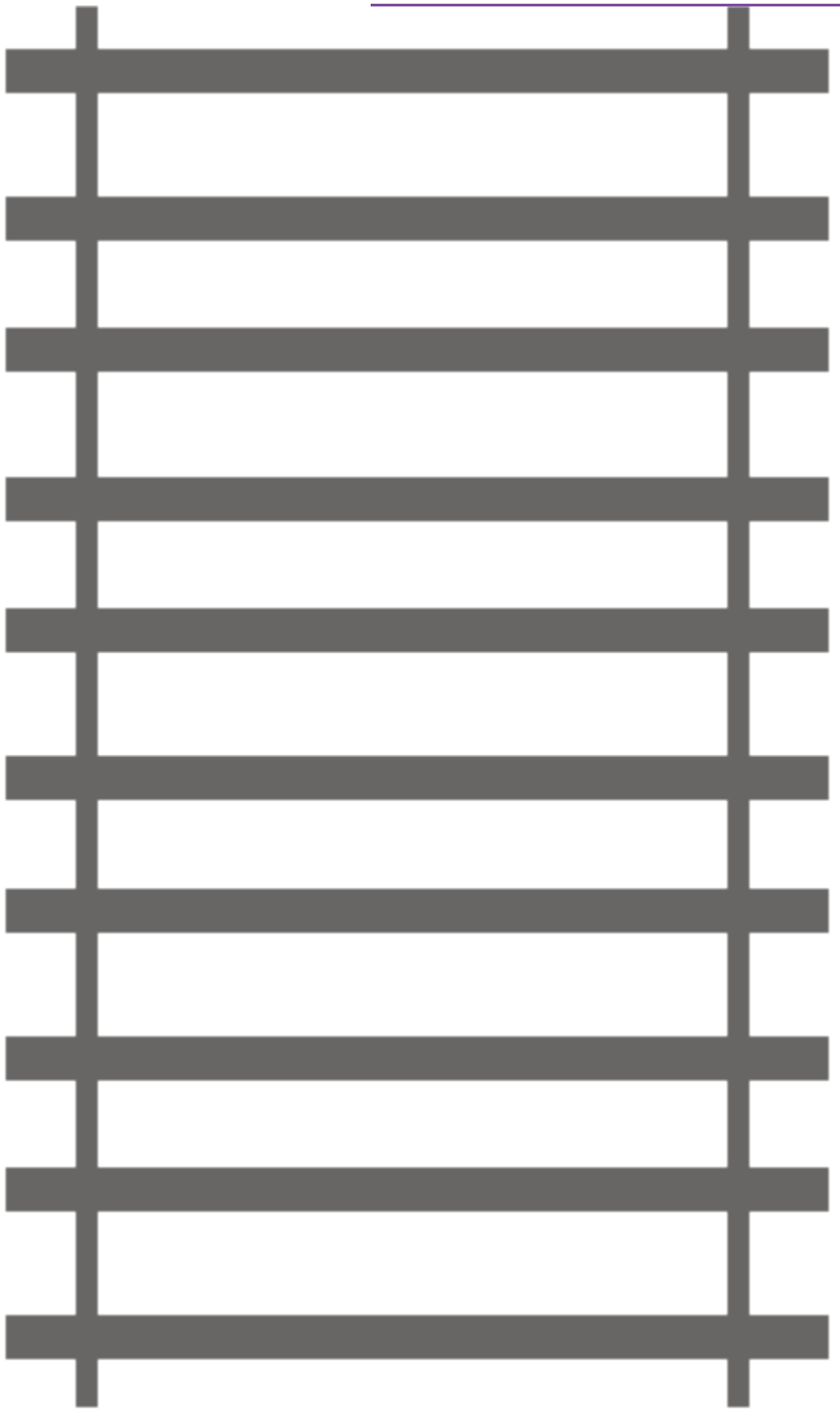
   Trade sketches with a partner and find the specified lines in each other's sketches.
2. Here are some symbols and logos that you may recognize. All of them have intersecting and parallel line segments.

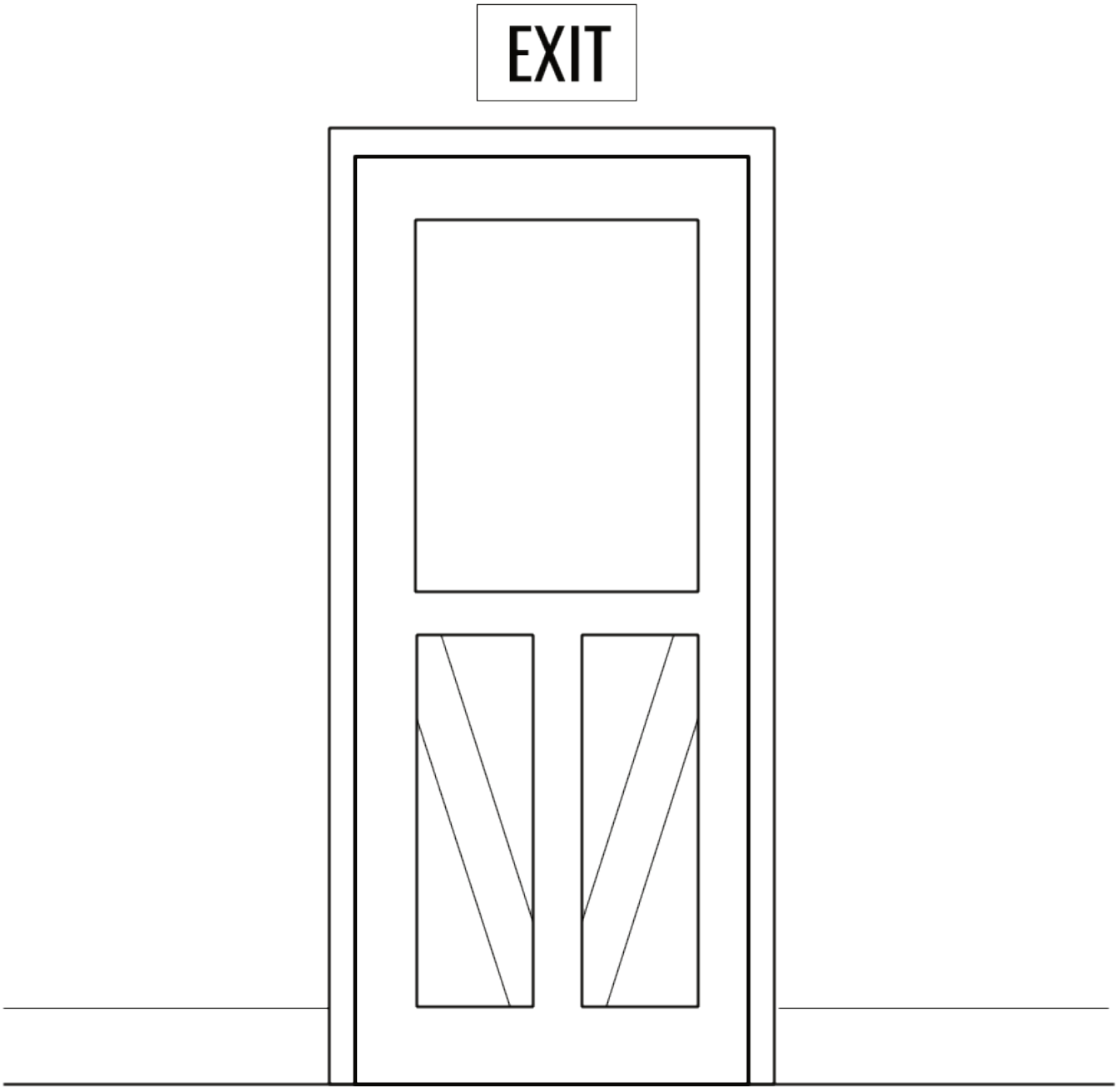




Design a logo with at least 8 parallel segments and 8 intersecting line segments.

Use a ruler for any straight parts of your logo.

Images for Activity Synthesis

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