

Section D: Practice Problems

1. The perimeter of a rectangular park is 444 meters. The park is 175 meters long. How wide is the park? Explain or show your reasoning.

(From Unit 7, Lesson 13.)

2. a. Where do you see rhombuses in the design?

- b. Where do you see rectangles in the design?



- c. Are there any triangles in the design?

(From Unit 7, Lesson 14.)

3. a. The body of your robot has a perimeter of 64 units. What were some different lengths and widths you could choose that fit on the grid?
- b. The head has a perimeter of 36 units. What were some different lengths and widths you could choose for the head that fit on the grid?

(From Unit 7, Lesson 15.)

4. Exploration

Han is making a rectangular garden in his backyard. He has 42 feet of fencing and the garden needs to be at least 3 feet wide. What are the possible lengths and widths of the garden Han could make? Explain or show your reasoning.

5. Exploration

The small square is 6 inches long. What is the perimeter of the design? Explain or show your reasoning.

