

Grade 3 Unit 7

Lesson 15

CC BY 2021 Illustrative Mathematics®

Unit 7 Lesson 15: Design Your Own Robot

WU What Do You Know About Area and Perimeter? (Warm up)

Student Task Statement

What do you know about area and perimeter?

1 Create Your Own Robot

Student Task Statement

1. Create your own robot with these specifications. Explain or show your work so it is clear your robot meets the required specifications.
 - a. Each body part must be a rectangle.
 - b. Head: perimeter of 36 units
 - c. Neck: perimeter of 8 units
 - d. Body: perimeter of 64 units
 - e. Each arm: perimeter of 24 units
 - f. Each leg: perimeter of 32 units
 - g. Include one more rectangular feature of your choice on your robot.
2. Find the area of each of your robot's body parts.
3. Find the total area of your robot.
4. Gallery Walk: As you visit the robots with your partner, discuss the different areas that can be created with rectangles that have the same perimeter.