

Grade 5 Unit 8

Lesson 7

CC BY 2021 Illustrative Mathematics®

Unit 8 Lesson 7: Estimating the Volume of the World's Largest Wagon

WU Notice and Wonder: Radio Flyer (Warm up)

Student Task Statement

What do you notice? What do you wonder?



1 Anatomy of an Estimate

Student Task Statement

1. What measurements would you take of the wagon to accurately estimate its volume?



2. What units would you use to measure the wagon? Explain your reasoning.
3. Record an estimate for the volume of the wagon that is:

too low	about right	too high

4. What can you use in the picture to refine your estimate?

2 Estimating the Size of the Radio Flyer

Student Task Statement

1. Use the picture of the wagon to make a better estimate of the length, width, and height of the wagon bed.

Make sure to:

- explain how you estimated each measurement
- include how accurate you think each estimate is



2. Then improve your estimate for the volume of the wagon.