

## Grade 5 Unit 8

### Lesson 8

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## Unit 8 Lesson 8: Filling up the World's Largest Wagon

### WU Notice and Wonder: Toy Boxes (Warm up)

#### Student Task Statement

What do you notice? What do you wonder?



### 1 Sand Wagon

#### Student Task Statement

The Radio Flyer wagon is 27 feet long, 13 feet wide, and 2 feet deep.

1. A 150-pound bag of sand will fill about 9 cubic feet. How many bags of sand will it take to fill the wagon with sand?
2. A 150-pound bag of sand costs about \$12. About how much will it cost to fill the wagon with

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sand? Explain or show your reasoning.

3. How many pounds of sand does the Radio Flyer hold when it is full? Explain or show your reasoning.

## 2 More Boxes

### Student Task Statement

The Radio Flyer wagon is 27 feet long 13 feet wide and 2 feet deep.

The wagon is being used to deliver 4,000 boxes that each have the side lengths 2 feet by 2 feet by 2 feet. How many trips will the wagon have to make? Explain or show your reasoning.