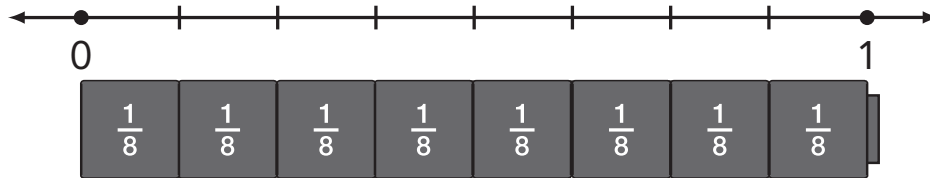


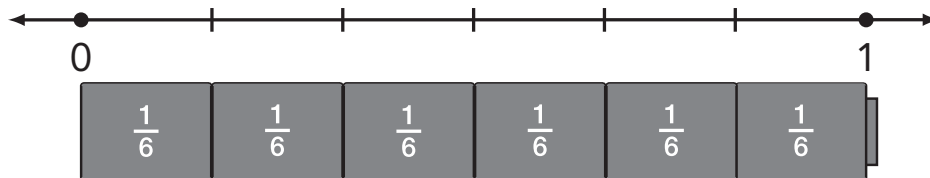
**Use Fraction Towers to draw a line plot of the data.**

**Answer the question.**

1. Lisa is measuring pieces of ribbon in yards. They are  $\frac{1}{4}$ ,  $\frac{7}{8}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ ,  $\frac{5}{8}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , and  $\frac{5}{8}$ . How many pieces are  $\frac{1}{2}$  yard or longer?



2. After students finished planting their seedlings, they turned in the leftover soil. In cups, the amounts left over are  $\frac{1}{3}$ ,  $\frac{1}{2}$ ,  $\frac{1}{6}$ ,  $\frac{5}{6}$ ,  $\frac{2}{3}$ ,  $\frac{1}{2}$ ,  $\frac{1}{6}$ ,  $\frac{1}{3}$ ,  $\frac{1}{2}$ ,  $\frac{1}{6}$ ,  $\frac{1}{3}$ ,  $\frac{2}{3}$ ,  $\frac{1}{3}$ ,  $\frac{1}{2}$ , and  $\frac{1}{3}$ . How much soil is left over?



**Draw a line plot to represent the data. Answer the question.**

3. Miles walked:  $\frac{1}{2}$ ,  $\frac{3}{4}$ ,  $\frac{5}{8}$ ,  $\frac{7}{8}$ ,  $\frac{3}{4}$ ,  $\frac{5}{8}$ ,  $\frac{7}{8}$ ,  $\frac{1}{2}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$ , and  $\frac{5}{8}$ .

How many miles were walked in all? \_\_\_\_\_

4. Data:  $\frac{2}{5}$ ,  $\frac{7}{10}$ ,  $\frac{1}{2}$ ,  $\frac{4}{5}$ ,  $\frac{3}{5}$ ,  $\frac{7}{10}$ ,  $\frac{1}{2}$ ,  $\frac{2}{5}$ ,  $\frac{3}{5}$ ,  $\frac{1}{2}$ ,  $\frac{2}{5}$ ,  $\frac{1}{2}$ , and  $\frac{3}{5}$ .

Which value occurs the most? \_\_\_\_\_

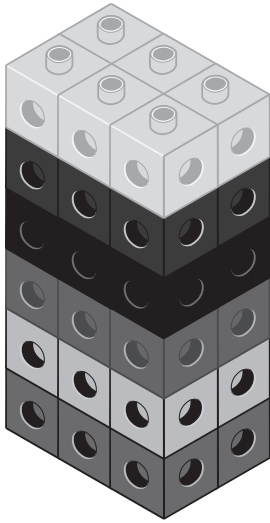
Name \_\_\_\_\_

**Challenge!** Create a story context for Problem 4. How many of the data values are greater than  $\frac{1}{2}$ ?

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

**Use Snap Cubes to model the rectangular solid. Find the volume.**

1.



What is the length? \_\_\_\_\_

What is the width? \_\_\_\_\_

What is the height? \_\_\_\_\_

What is the volume? \_\_\_\_\_

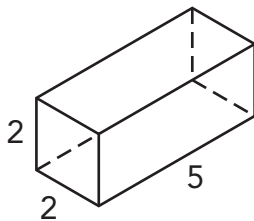
**Using Snap Cubes, model the solid with the given dimensions. Sketch the model. Find the volume.**

2. length: 7 units, width: 5 units, height: 2 units

\_\_\_\_\_

**Find the volume of each rectangular solid.**

3.

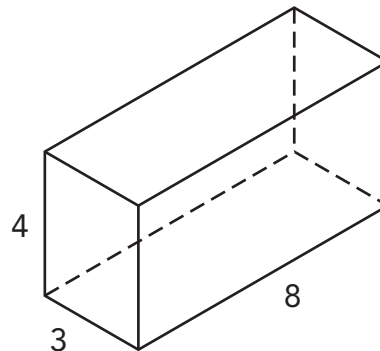


\_\_\_\_\_

5. length: 8 units  
width: 3 units  
height: 5 units

\_\_\_\_\_

4.



\_\_\_\_\_

Name \_\_\_\_\_

**Challenge!** Explain why the volume formulas  $V = l \times w \times h$  and  $V = B \times h$  give the same results. ( $B$  represents the area of the base.)

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

**Use Snap Cubes to model the composite solid. Find the volume of each part. Then find the total volume.**

1. Part 1: What is the height? \_\_\_\_\_

What is the width? \_\_\_\_\_

What is the depth? \_\_\_\_\_

What is the volume of Part 1? \_\_\_\_\_

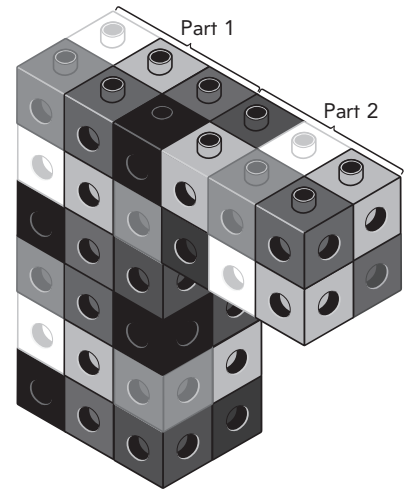
Part 2: What is the height? \_\_\_\_\_

What is the width? \_\_\_\_\_

What is the depth? \_\_\_\_\_

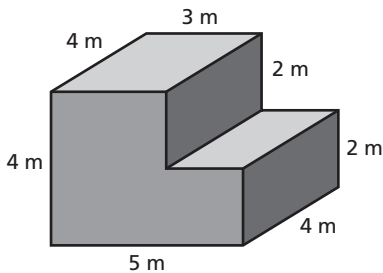
What is the volume of Part 2? \_\_\_\_\_

What is the total volume of the two parts? \_\_\_\_\_



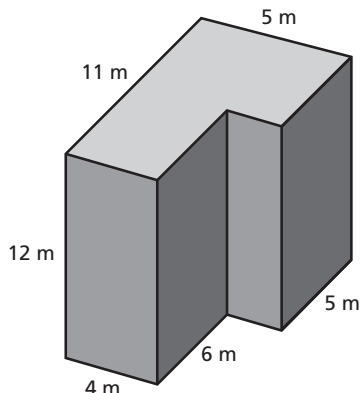
**Using Snap Cubes, model the composite solid. Sketch the model. Find the volume of each part. Then find the total volume.**

2. \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_



**Find the volume of the composite solid.**

3. \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_



**Challenge!** Explain why each of the composite solids in the previous problems can be divided in two different ways and how that affects the total volume.

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