

STUDENT VERSION

MY DREAM HOME

Activity Items

The following item is part of this activity and appears at the end of this student version.

- Item 1: Number of U.S. Homes by Total Bedroom Units

Student Learning Objectives

- I will be able to understand and learn from data in a bar graph.
- I will be able to make a big shape out of small shapes.

In this activity, you will learn how to understand data from the U.S. Census Bureau that show the number of bedrooms in people's homes all around the United States. Then you will learn how many bedrooms your classmates would like to have in their dream homes. After that, you will make your dream home out of different paper shapes.

NAME:_____ DATE:_____

Part 1 – Look at U.S. Data

Let's look at **Item 1: Number of U.S. Homes by Total Bedroom Units** and use the data to answer these questions:

1. What is the most common number of bedrooms in people's homes in the United States? How do you know?

2. What is the least common number of bedrooms in people's homes in the United States? How do you know?

Part 2 – Collect Your Own Data

1. In the list below, circle how many bedrooms you would want in your dream home. It could be fun to have a home with lots of bedrooms, but remember that all those bedrooms would need to be kept clean! And having no bedrooms isn't a bad thing. Some really interesting homes — like treehouses or fancy apartments in some cities — have no bedrooms, and a smaller house may mean more money for other things. Be creative.

   - 0 bedrooms
   - 1 bedroom
   - 2 bedrooms
   - 3 bedrooms
   - 4 bedrooms
   - 5 or more bedrooms

2. Fill in the blanks:

   - In part 1 of this activity, we learned that most homes in the United States have _____ bedrooms.
   - The number of bedrooms in my dream home is _____ (*how many more* **or** *how many less*) than the number in most homes in the United States.

3. Now let's survey the class to learn how many bedrooms are in all of your dream homes. Write those data in this tally chart:

Number of Bedrooms	Tally Marks	Total
0		
1		
2		
3		
4		
5 or more		

Part 3 – Look at Your Own Data

Let's answer some questions using the data in the tally chart (from part 2):

1. How many bedrooms do most of your classmates want in their dream homes? How do you know?

2. What's the least common number of bedrooms in your classmates' dream homes? How do you know?

3. Let's look again at **Item 1: Number of U.S. Homes by Total Bedroom Units** and at our tally chart. What do you notice about the number of bedrooms in homes across the United States compared with the number of bedrooms in your dream homes? What is similar? What is different?

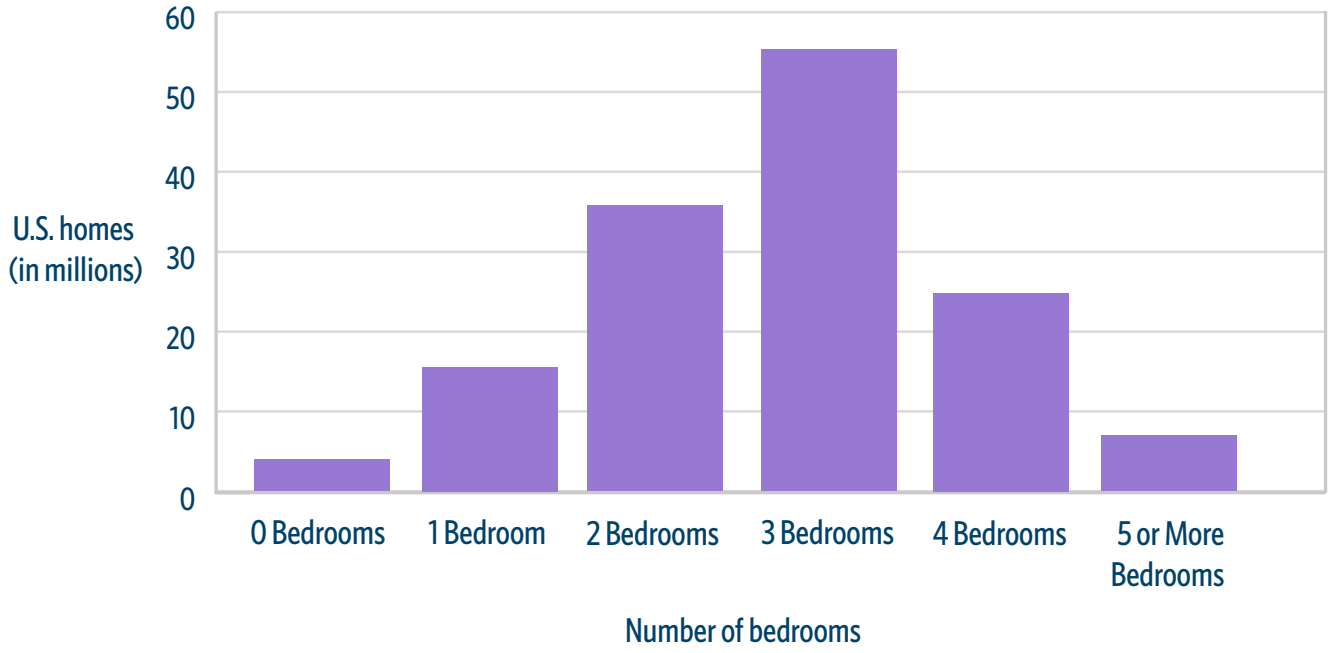
Part 4 – Create Your Dream Home Using Two-Dimensional Shapes

Connect your two-dimensional shapes — triangles, quadrilaterals, pentagons, and hexagons — on your construction paper in a design you like and glue them in place to make your dream home! (Make sure you use at least three different types of shapes.)

When you're done, fill in the chart below with numbers showing how many of each shape cutout you used to make your dream home. If you did not use a shape cutout in your dream home, write "0."

Two-Dimensional Shape	Number Used to Create My Dream Home
Triangle	
Quadrilateral: Square	
Quadrilateral: Parallelogram	
Quadrilateral: Rectangle	
Quadrilateral: Trapezoid	
Pentagon	
Hexagon	

Item 1: Number of U.S. Homes by Total Bedroom Units



Source for data:

https://data.census.gov/table/ACSDP5Y2023.DP04?q=DP04

To see the source data, copy and paste the link above into your browser.