Activity 4c: How Many of Me?   Recommended Grades: K-5

Activity Instructions

1. Cut a piece of ribbon equal in length to the height of your child.

2. You will call the length of ribbon by the name of the person whose height you used. For example, the ribbon cut to match the height of Jacob is called "a Jacob" and the ribbon cut to match the height of Grandma is called "a Grandma."

3. Use the prompts and the ribbon to measure different dimensions around the room.

Virtual Game Link:

https://www.education.ky.gov/curriculum/conpro/Documents/MD_How_Many_of_Me_KFMN.pptx

Family Prompts

Grades K through 1

- What are some things in this room you could use your ribbon to measure?

- Let's use the length of your ribbon to measure the length of the room, or the bleachers. First, let's estimate. How many "Jacobs" do you think it will take to equal the length of the room? How many "Jacobs" does a family member think it will take?

- Next, use the ribbon to count how many "Jacobs" would fit across the room. Who was closer?

- Which side of the room do you think is longer? How could we measure to find out?

- Use the ribbon to measure the width of the room.

- Now that you've measured the length and width of the room/bleachers, make a guess about how many "Jacobs" it would take to equal the height of the room. How did you make your guess?

Family Prompts

Grades 2 through 3

- Use your ribbon to measure the length of the room in "Jacobs."

- Cut a piece of a different colored ribbon equal in length to the height of a different family member.

- Which do you think will be greater: the number of "Jacobs" needed to measure the length of the room or the number of "Family Members"? Why?

- Check your prediction: Use the ribbon to measure the length of the room in "Family Members."

- Compare the results to your prediction. Is anything surprising?

- Discuss why the number of "Jacobs" is different than the number of "Family Members."

- If there is time remaining:

  - How could we figure out the perimeter? (Note: the perimeter is the total length around the room where the wall meets the floor.)

  - Would you rather measure in "Jacobs" or "Family Members"? Why?

  - Measure the width of the room. Add length + width + length + width to calculate the perimeter.

Family Prompts

Grades 4 through 5

- Use your ribbon to measure the length of the room in "Jacobs."

- What's longer: an inch or a foot? Allow your child to look at a ruler, yardstick, or tape measure to decide.

- Estimate: About how long is a "Jacob" in inches?

- Measure your ribbon in inches.

- Can you calculate the length of your ribbon in feet now that you know it in inches? Measure your ribbon in feet to check.

- What's longer: a meter or a centimeter? Allow your child to look at a meterstick or tape measure to decide.

- Estimate: About how long is a "Jacob" in centimeters?

- Measure your ribbon in centimeters and meters.

- Can you use the length of the room in "Jacobs" to calculate the length of the room in feet?

- Which do you think will be greater: the height of the room or the length? Why?