## Height Graph: Predictions

Let's make some predictions about the height of a group of people. They can be students in a class, friends in a neighborhood, or family members. Remember: No actual measurements can be made. Use the tally chart to make your predictions.

What is the group you chose?

Who do you think is tallest?

Who do you think is shortest?

If you made a stack of the five tallest girls in the group and a stack of the five tallest boys in the group, which would be taller?

If you made a stack of the five shortest girls in the group and a stack of the five shortest boys in the group, which would be taller?

What do you think the average height of the group is?

Who do you think the boy right in the middle will be? (median)

What do you think the most common height will be? (mode)

| Name | 3 ft | 4 ft | 5 ft | 6 ft |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Total |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Height Graph: Actual Heights

Let's collect the actual data. Measure the height of each person in the group and record the heights on the chart below. Make a bar graph of the data, then compare the actual data to the predictions made on the previous worksheet.

| Girls |  | Boys |  |
| :---: | :---: | :---: | :---: |
| name | height | name | height |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

How many of the predictions were correct?

How many were not?

What does this tell us about guesswork?


## Names

