**Data and Probability**

**Logical Mathematical**

Architects use square footage to determine the size of a room depending on a specific function. For example, a gym has to have a lot of square footage to have room for sports, an office can be smaller. Fill in the table below. Why do you think the architect designed those rooms to be that size? What size would you design the bathroom to be? Why? How about a garden?

|  |  |  |  |
| --- | --- | --- | --- |
| **Room** | **Length** | **Width** | **Area**  **(Square Footage)** |
| Bedroom | 3 meters | 4 meters | 12 m2 |
| Kitchen | 4 meters | 4 meters |  |
| Living Room | 8 meters | 9 meters |  |
| Bathroom |  |  |  |
| Garden |  |  |  |