

2. Is it more likely that a boy has a sister, a girl has a sister, or are the probabilities of both outcomes the same?
- a) Consider a family with 2 children.
- Write the different possibilities.
 - Find the average number of sisters for each boy, and the average number of sisters for each girl.
- b) Consider a family with 3 children.
- Write the different possibilities.
 - Find the average number of sisters for each boy, and the average number of sisters for each girl.
- c) Consider a family with 4 children.
- Write the different possibilities.
 - Find the average number of sisters for each boy, and the average number of sisters for each girl.
- d) Combine the data from parts a) to c) to find the average number of sisters per boy, and the average number of sisters per girl for these 3 types of families. What do calculations show about the likelihood of a boy having a sister compared to a girl having a sister?

