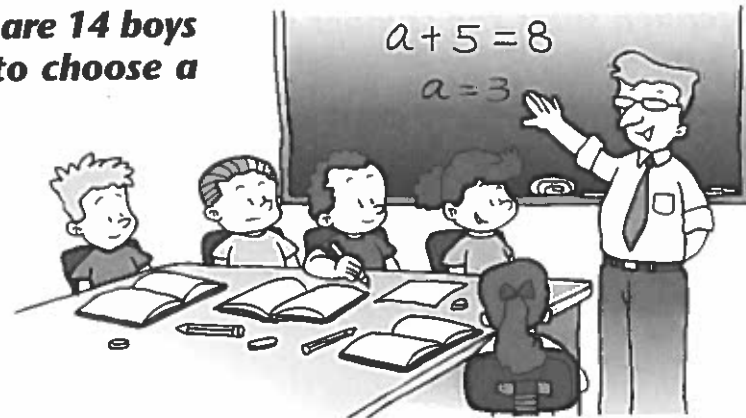


In Mr. Keller's Grade 5 class, there are 14 boys and 10 girls. Mr. Keller wants to choose a student to erase the blackboard. Refer to the table below and answer the questions.

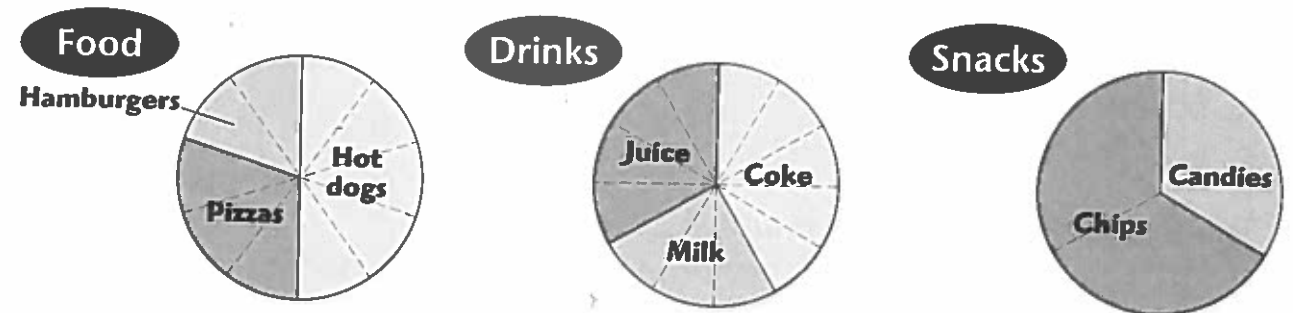


Quick Tip
 Don't forget to write fractions in lowest terms in your answers.

	Boys	Girls	Total no. of children
Number of children	14	10	24
Number of children with fair hair	4	8	12
Number of children with dark hair	10	2	12
Number of children born in Canada	12	6	18
Number of children born outside Canada	2	4	6

- 21 What is the probability that a girl will be chosen? _____
- 22 Is it more probable that Mr. Keller will choose a boy or a girl? _____
- 23 What is the probability that a student born in Canada will be chosen? _____
- 24 What is the probability that a girl born in Canada will be chosen? _____
- 25 What is the probability that a boy with fair hair will be chosen? _____
- 26 Is it less probable for Mr. Keller to choose a girl with fair hair than the one with dark hair? _____
- 27 Mr. Keller wants to choose a girl to erase the blackboard. What is the probability that a girl with fair hair will be chosen? _____
- 28 On Monday, 1 girl and 2 boys were absent. What was the probability that Mr. Keller would choose a girl? _____
- 29 3 new students, 1 boy and 2 girls, are added to Mr. Keller's class. They have recently arrived in Canada. What is the probability now that a boy born outside Canada will be chosen? _____

Riverview School is going to have its annual barbecue. The weather forecast says that there is a 1 out of 4 chance of rain on the day of the barbecue. The circle graphs below show the food, drinks and snacks prepared by the school. Refer to the graphs and answer the questions.



- 30 What is the probability that a student will get a hamburger? _____
- 31 What is the probability that a student will get a coke? _____
- 32 What is the probability that a student will get chips? _____
- 33 What is the probability that a student will get juice or milk? _____
- 34 What is the probability that it will not rain on the day of the barbecue? _____
- 35 What is the probability that a student will get a sandwich? _____
- 36 Is it more likely for a student to get a pizza than a hamburger? _____
- 37 Is it more likely for a student to get a bag of candies than chips? _____
- 38 Is it more likely for a student to get a pizza than a hot dog? _____



MIND BOGGLER

In a single throw of a cube numbered 1 to 6, what is the probability of getting the numbers below?

- 1 An even number _____
- 2 A number greater than 6 _____
- 3 Any of the numbers from 1 to 6 _____

Quick Tip
 When an event is impossible, its probability to happen is 0. When an event is certain to happen, its probability to happen is 1. The sum of the probabilities that all the possible events will happen is 1.