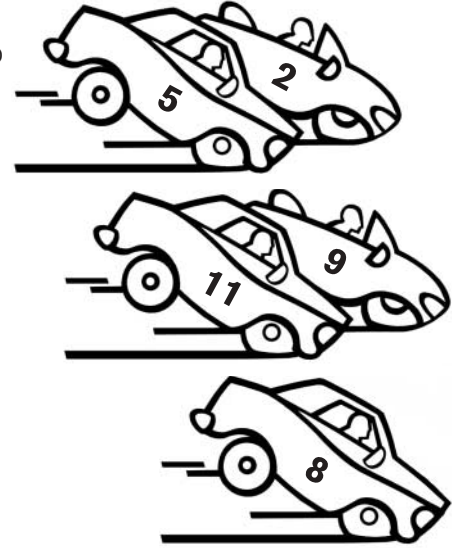


Racing Game

Name _____

This game is a race among eleven cars, numbered 2 through 12. The numbers of the cars correspond to the possible sums that result when two dice are rolled. These are the rules:

1. Roll two dice, and add the values on the top faces.
2. In the score chart below, place an X in the column for the car whose number corresponds to the sum of the values that were rolled. Begin at the bottom of the chart, and place the Xs in successive boxes.
3. In the second column, record the number of the car that first reaches each of the mileposts.
4. The winner is the first car to reach milepost 10.



Answer questions 1 and 2 before you play the game.

1. Does each race car have the same chance of winning? _____

Explain your answer. _____

2. Which car do you expect will win? _____

Which car do you expect will be the farthest behind at the end of the game? _____

Explain your answers. _____

Score Chart

Milepost	First Car to Reach Milepost	Car											
		2	3	4	5	6	7	8	9	10	11	12	
10													
9													
8													
7													
6													
5													
4													
3													
2													
1													

Racing Game (continued)

Name _____

3. Which car won? _____ Which car was the farthest behind? (More than one answer is possible.) _____
4. Pool the results for your class. Which car won most often? _____
Which car was the farthest behind at the end of the game? (More than one answer is possible.) _____

5. If you repeated the race, which car do you think would win? _____
Explain your answer. _____

