Name: $\qquad$
Date: $\qquad$ Per: $\qquad$
Lesson 5.2.4 Homework

5-60. Maggie was at the state fair and decided to buy a sundae from an ice cream stand. The ice cream stand had four flavors of ice cream (chocolate, vanilla, mint chip, and coconut) and two toppings (hot fudge and caramel). How many different sundaes could Maggie create using one scoop of ice cream and one topping? Make a probability table to support your answer.

5-61. The Aloha Stadium in Honolulu, Hawaii, has seats for 50,000 people. At an upcoming football game, a company is planning to give away free hats to people based on where they are sitting.
a. The seats are divided into 40 different sections. If hats are given in only 5 sections, what is the probability of a guest's sitting in a section that gets a hat?
b. The company is going to choose three rows in each section to win the hats. There are 46 rows in a section. If you are sitting in a winning section, what is the probability that you are not sitting in a winning row?
C. The company plans to give away 750 hats. If you buy a ticket to the game, what is the probability that you will receive a hat?

5-62. A lemonade recipe calls for using a ratio of 2 cups of lemon juice for every 4 cups of water.

## Old-Fashioned Lemonade


a. Label the to show the percent of lemonade that is water and the percent that is lemon juice.
b. What is the ratio of lemon juice to total liquid?
C. Angel made 10 cups of lemonade. She used 3 cups of lemon juice in her mixture. Did she follow the same recipe? In other words, did she use the same ratio of lemon juice to total liquid?

5-63. Robert found an old game in a closet and wanted to play it. However, a portion of the spinner shown at right could not be read. Find the missing portion of the spinner for Robert.


5-64. Copy and complete each of the Diamond Problems below. The pattern used in the Diamond


Problems is shown at right.





