

## OVERVIEW

In these activities the application of reasoning strategies will be used to solve real life experiences and the development of an understanding, representation and use of decimals and percents. Mathematical operations will be developed. The use of a coordinate plane will be used to explore geometric ideas.

## LEARNING OUTCOMES

The students will:

- Understand the basic role of place value in decimals
- Identify representations of a given percent
- Multiply whole numbers and decimals
- Solve problems in which decimals and percents are used in everyday life
- Graph ordered pairs of numbers

## NEW YORK STATE STANDARDS

Standard 3: 1A, 2A, 2B, 3A

## A. TAILGATE PARTY

**MATERIALS:** Playbook

1. Discuss real life experiences involving sales, increases and total expenses.
2. Have students complete the questions in Playbook on p.67. The students will complete the circle graph on p.68.

**Note: Answers on the next page.**

**TIME:**



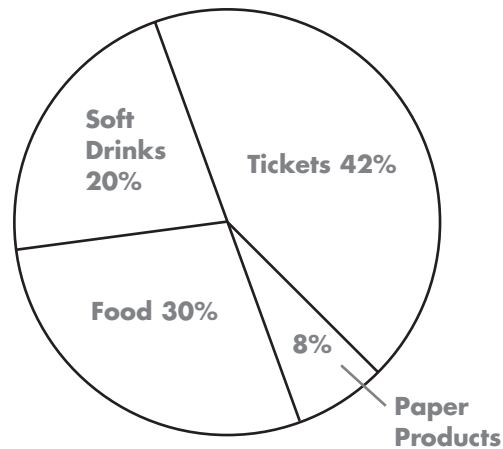
**25-30 Minutes,  
Large Group Activity**

## TAILGATE

### TAILGATE PARTY ANSWERS

1. \$9,430.00
2. \$134.71
3. \$102.47
4. \$152.73
5. \$9,685.90
6. \$186.25

Expenses for Tailgate Party



### B. BILLS MYSTERY GRID

**MATERIALS:** Playbook

1. The students will use the list of ordered pairs on Playbook p.69 to graph each point on the coordinate grid on p.70. They should be careful when connecting the series of points between breaks.