

## **Adding and Subtracting Decimals**

### Performance Task Objectives

- Σ Read and write decimals to thousandths
- Σ Compare, order, and round decimals to hundredths
- Σ Add and subtract decimals
- Σ Interpret and display data on bar graphs

### Sunshine State Standards

- Σ MA.A.1.2.2
- Σ MA.A.3.2.2
- Σ MA.E.1.2.1

### Materials

- Σ Student recording sheet
- Σ Centimeter graph paper
- Σ Paper and pencil

### Student arrangement

- Σ Individual or small group

### Task

Present the problem on the student Recording Sheet to your students.

### Performance Criteria

- Σ Does the student correctly interpret the data on the chart?
- Σ Does the student use a reasonable scale for the bar graph?
- Σ Does the student label the bar graph accurately?
- Σ Is the student able to order, round, and compare the decimals in the problem?

Name \_\_\_\_\_

Solve this problem.

1. Using the given data, construct a bar graph showing the batting averages of these National league batting champions.

| National League Champions |                 |                 |
|---------------------------|-----------------|-----------------|
| Year                      | Player          | Batting Average |
| 1988                      | Tony Gwynn      | .313            |
| 1989                      | Tony Gwynn      | .336            |
| 1990                      | Willie McGee    | .335            |
| 1991                      | Terry Pendleton | .319            |
| 1992                      | Gary Sheffield  | .330            |

Using the data and your graph, complete the following activities.

2. List the players' averages in order from the highest batting average to the lowest batting average.
3. How much better is the batting average of the player with the highest average than that of the player with the lowest average? How do you know?
4. If rounded to the nearest hundredth, which players will have the same average?
5. Write two statements about the batting averages as shown on your graph.