

Name _____

CRITICAL AREA

Connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems

Project

Meet Me in St. Louis

1

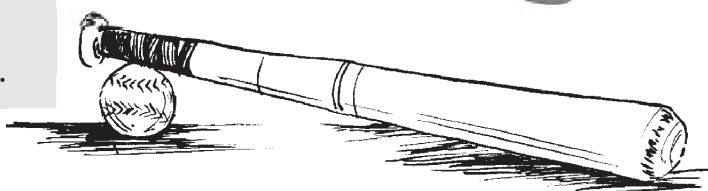
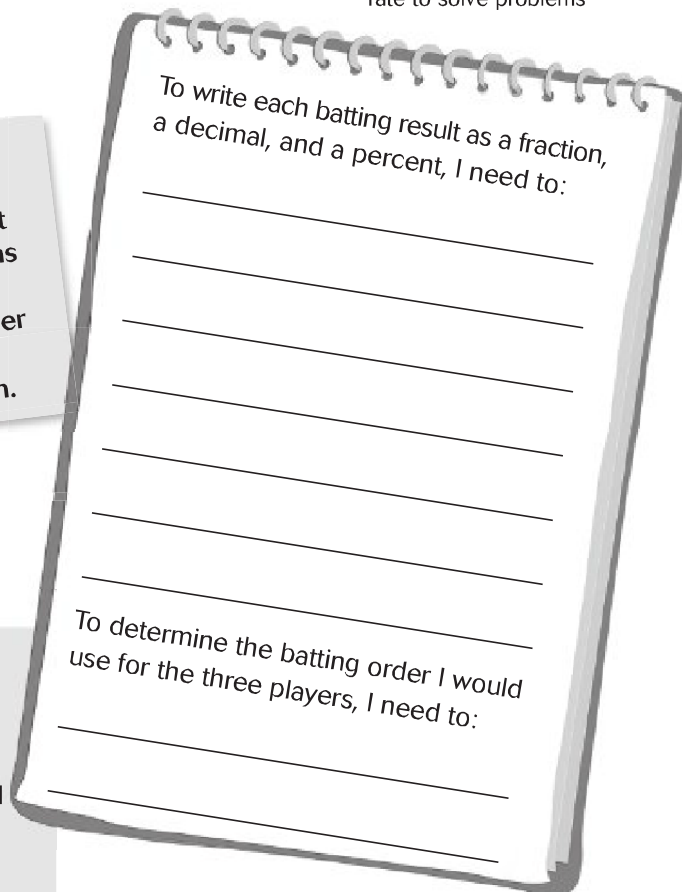
Plan

- You are asked to write each batting result as a fraction, a decimal to the thousandths place, and as a percent.
- You must also determine the batting order you would use for the three players.
- Use the Important Facts to help you plan.

2

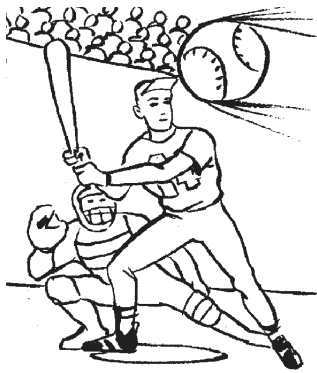
Put It Together

- Read the data that is provided in the Important Facts.
- Write each batting result as a fraction and use an appropriate operation to write each fraction as a decimal and as a percent.
- Talk to a partner to decide what batting order you would use for the three players.



The players' batting averages are:

The batting order I would use for the players is:



3

Reflect

- Describe your method for deciding the batting order you would use for the three players.
- Compare your method to that of other students. Did other students use different methods? If so, explain.

4

Go Beyond

- A player's batting average is calculated as shown below.

$$\text{Batting average} = \frac{\text{Hits}}{\text{At Bats}}$$

- During a baseball season, Tyrell had 100 at bats. His batting average for the season was higher than that of Stan Musial in 1948 but lower than that of Rogers Hornsby in 1925.
- How many hits did Tyrell have during the season? Is there more than one possibility? Explain your answer.