

Football Facts

Leader



Compute rates and ratios, and develop the concept of rate.



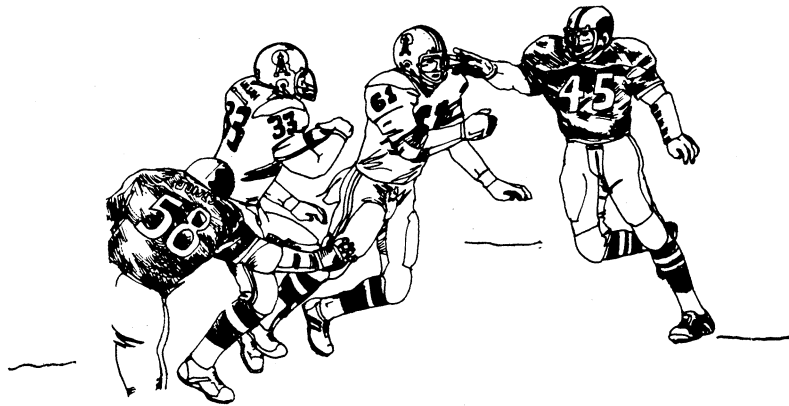
You will need:

- Newspaper



Do this:

- Choose an area of interest to the student, such as the game of football.
- Use articles from the sports section of the newspaper to generate discussion and later use the statistics to write and solve problems showing rates.
- Student should discover that in the chart they are using multiples of one for the games and multiples of three for the touchdowns.
- In both the chart and the cross multiplication, they are using the same pair of units.



Student _____



Do this:

- Use either or both methods to solve the problem:
 1. Make a chart.
 2. Write an equation.

Example:

Neal Anderson, the running back for the Chicago Bears, scores three touchdowns per game. At this rate, how many touchdowns will he make in eight games? _____
 ten games? _____

Chart

Games	1	2	3	4	5	6	7	8	9	10
Touchdowns	3									

Equation

$$\frac{\text{Games}}{\text{Touchdowns}} = \frac{1}{3} = \frac{8}{N}$$

N = 24 Touchdowns

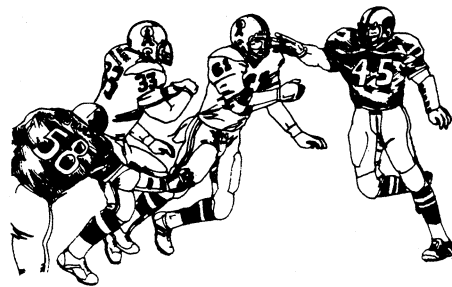


If Bo Jackson gains 4.3 yards every time he carries the ball, how many carries will it take him to gain at least:

50 yards? _____

100 yards? _____

1000 yards? _____



- Use the sports section of the newspaper to locate other problems for rate.



WHAT I FOUND