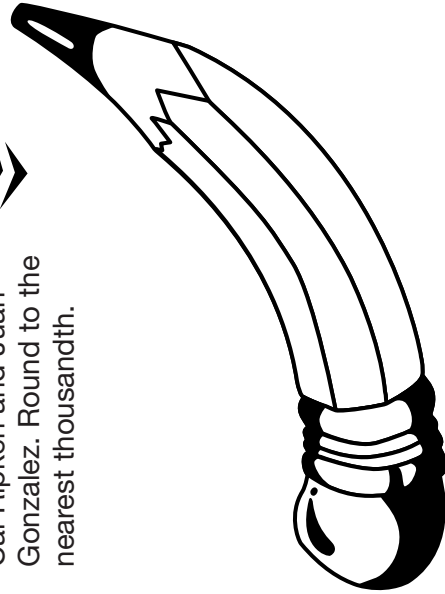
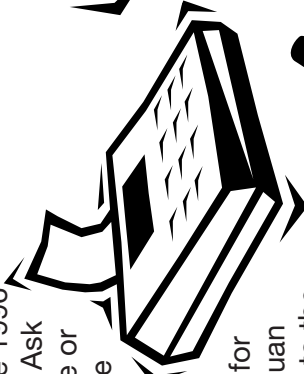


## PLAY BALL

A baseball player's batting average compares a player's times at bat with the number of hits. To compute a batting average, divide the number of hits by the at bats. The result will be a decimal. The higher the decimal, the better the average. Here are some sample batting averages from the 1996 baseball season. Ask your child who he or she thinks has the highest average. Then he or she can compute the batting averages for Cal Ripken and Juan Gonzalez. Round to the nearest thousandth.

### Batting Averages

| Player           | At Bats | Hits | Average |
|------------------|---------|------|---------|
| Ken Griffey, Jr. | 545     | 165  | .303    |
| Cal Ripken       | 640     | 178  | .278    |
| Juan Gonzalez    | 541     | 170  | .314    |

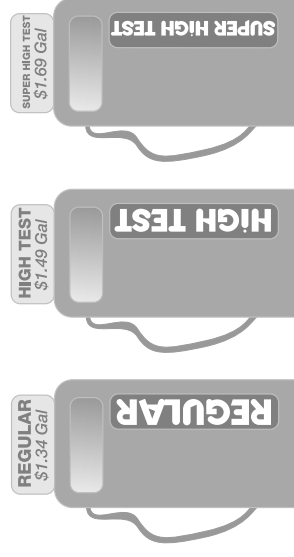


- ◆ Look in the sports section of your newspaper to find the batting averages of your child's favorite baseball player. Keep track of the player's at bats and hits for a week or a month. Compute the batting average using the formula above.

## MILES TO GO

Let your child help plan your next out-of-town trip. Prepare a map that shows the route of your trip.

- ◆ Have your child measure the distance from your home to the destination in either inches or centimeters.
- ◆ He or she can use the map scale to calculate the number of miles you will travel.
- ◆ If you know how many miles per gallon your car gets, let your child figure out the total cost of gas for your trip.
- ◆ You might also challenge your child with this problem: A car gets 20 miles to one gallon of gasoline. If a gallon of gas costs \$1.34 per gallon, how much would it cost to drive 210 miles?



## HOW MUCH PAINT?

Summer time is a good time to paint. Ask your child to help you figure out this painting problem:

- ◆ A pint of paint will cover 50 square feet. If you have a room that is 12 feet long by 9 feet wide by 8 feet tall, how much paint will you need?
- ◆ Have your child help you figure out how many pints of paint you would need to cover your kitchen, living room, or your child's bedroom.

## WHAT ARE THE CHANCES?

Play this game the next time your family is outdoors or taking a car trip. Choose three colors of cars. Predict how often you will see each of the colors out of the next 50 cars that pass. Let everyone make a prediction. Count as cars pass and record a tally mark under the appropriate color. After you have observed 50 cars, find the totals. Write the probability of each color car out of 50, and compare with your predictions. Predict how many times you would see the 3 colors out of 100 cars.

## MATH TRIVIA

During the course of the summer, you and your child can plan a math trivia game.

- ◆ Look for interesting facts about math in newspapers, magazines, and books. When you find a fact, record it in a question-and-answer format on both sides of an index card.
- ◆ Divide the questions into five categories: Computation, Technology, Geometry, Measurement, and Numbers.
- ◆ Take turns asking and answering the math questions with your child. Award a prize for every correct answer.



# SUMMER MATH



*The following activities can be done over the summer. These activities use the math skills that your child has studied this year in school. Each activity is an opportunity for you and your child to work together to solve problems that encourage the use of these skills.*