

Part 5 The End of the School Year

Choose an appropriate method to solve each of the following problems. For some questions you may need to find an exact answer, while for others you may need only an estimate. For each question, you may choose to use paper and pencil, mental math, or a calculator. Use a separate sheet of paper to explain how you solved each problem.

1. On the last day of school, Mr. Moreno collected his students' books. If each of his 22 students returns all of his or her books, Mr. Moreno should have 132 textbooks. How many text books did each student use during the year?
2. If a student loses a school library book, he or she must pay for the book. If the book is returned late, the student must pay a fine of 5¢ a day for every day it was late. Manny should have returned a book by March 25. It is June 2. If the book costs \$3.95, is it cheaper for Manny to buy the book or return it and pay the overdue fine? Share your strategies.
3. Six students stayed after school to help Mr. Moreno pack up the classroom. He treated them to juice and popcorn. If Mr. Moreno bought 6 cans of juice from the machine in the teacher's lounge, it would have cost him 50¢ per can. Instead, on the way to school he bought six cans of juice for \$2.69. About how much did Mr. Moreno save per can?
4. On the way home, Blanca and Edward stopped at the park to play basketball. They both tried to shoot free throws. They both averaged 2 successful free throws out of 5 tries.
 - A. If Blanca tried 20 times, how many free throws did she make?
 - B. Edward made 12 free throws. How many times did he try?
5. Mr. Moreno decorated one bulletin board for next fall. Then he covered the board with butcher paper, so his decorations wouldn't fade. The bulletin board is 2.4 meters long and 1.3 meters wide. What is the area of the bulletin board in square meters?