

## EXPRESSIONS

### ***PROBLEM 3: COLLEGE VISIT***

You are planning to visit Lehigh University in Bethlehem, PA. Because your entire family is going, you plan to drive. After consulting a Road Atlas, you determine that the distance between Columbia, SC, and Bethlehem, PA, is 750 miles.

- A. If your average speed is 62.5 miles per hour, how long can you expect to be driving?
- B. If you plan to take a break every  $3\frac{1}{2}$  hours, how far can you expect to travel between breaks?

### ***EXTENSION***

Select a college or university that your students may be interested in visiting. Have students determine the distance between your town and the college or university and the amount of time it will take to make the trip.

### ***PROBLEM 4: CLASS PLAY***

The freshman class is planning its annual play. Production expenses were high and you determine that the revenue from ticket sales must be at least \$2,000.00. If you charge \$5.00 admission for every adult and \$2.50 for every student, determine the combinations of adult tickets and student tickets that must be sold to produce the \$2,000.00.