Lesson 2 Problem-Solving Practice

Percent and Estimation

1. **ORCHESTRA** The orchestra at Millard Middle School has 120 members. Of these, 17% are eighth-grade students. Estimate the number of eighth-grade students in the orchestra.

2. **RESTAURANTS** In one west coast city, 34% of the restaurants are on the river. The city has 178 restaurants. Estimate the number of restaurants that are on the river.

3. **FARMING** Rhonda planted green beans on 67% of her farm. Rhonda's farm has 598 acres of land. Estimate the number of acres of green beans on Rhonda's farm.

4. **HOTELS** At the Eastward Inn hotel, 47% of the rooms face the pool. The hotel has 92 rooms. Estimate the number of rooms that face the pool.

5. **TREES** The students in Leon's seventh grade science class determined that 42% of the trees at a local park are pine trees. If there are 632 trees in the park, about how many of them are pine trees?

6. **BOOKS** Jenna has read 0.7% of a book. If the book has 431 pages, estimate the number of pages Jenna has read.

7. **FITNESS** At the office where Mika works, 40% of the 18 employees exercise at least three times a week. Estimate the number of people who exercise at least three times a week.

8. **PETS** Of all seventh-grade students at Hart Middle School, 0.3% of the students own a pet iguana. If there are 610 seventh-grade students at Hart, about how many own pet iguanas?