

# Challenge Problems

## 1.5

NAME \_\_\_\_\_

Module 1    Number Sense  
Lesson 5    Estimation

### Set 1

- 1 Explain Front-End Estimation and write and solve a problem that uses Front-End Estimation.
- 2 Explain compatible numbers and write and solve a problem that uses compatible numbers to make an estimate.
- 3 A case of nuts holds 24 twelve-ounce cans. About how many ounces of nuts are in 4 cases?
- 4 There are 46 passengers on a spaceship. Each passenger has 2 suitcases. The average weight of a suitcase is 32 pounds. The maximum weight of suitcases the spaceship can hold is 3,500 pounds. What is the approximate weight of the suitcases, and does the weight of the suitcases exceed the limit?

# Additional Work Area