

# Challenge Problems

## 5.4

NAME \_\_\_\_\_

Module 5    Decimal Operations, Exponents, and Powers  
Lesson 4    Multiplying Decimals

### Set 1

- 1 Explain how you could use money to model  $1.23 \times 2$ .

### Set 2

- 1 Explain how you can use estimation to decide where to place the decimal point in the problem shown.

$$\begin{array}{r} 22.8 \\ \times 3.2 \\ \hline 7296 \end{array}$$

### Set 3

Solve.

1  $0.05 \times 3.2 \times 0.24$

- 2 Explain why the product of a number greater than one and a number between zero and one is less than the number greater than one.

- 3 Explain why the product of two positive factors less than one is always less than each of the factors.

# Additional Work Area