

# Challenge Problems

## 5.7

NAME \_\_\_\_\_

Module 5    Decimal Operations, Exponents, and Powers  
Lesson 7    Scientific Notation

### Set 1

1

Nadia wrote the number  $54 \times 10^4$ . Explain why the number is not in scientific notation. Then, write  $54 \times 10^4$  in scientific notation.

### Set 2

1

Vance wrote the number  $0.032 \times 10^{-3}$ . Explain why the number is not in scientific notation. Then, write the number in scientific notation.

2

Write the expression  $(4.2 \times 10^3) + (9.1 \times 10^{-4})$  as a number in standard form.

# Additional Work Area