

Part 3 Arithmetic Review

1. Solve the following problems using mental math or paper and pencil. Estimate to make sure your answers are reasonable. Use the *Multiplication Strategies Menu for Larger Numbers* in the *Student Guide Reference* section to help you.

A. $231 \times 4 =$

B. $409 \times 5 =$

C. $6283 \times 4 =$

D. $570 \times 5 =$

E. $70 \times 40 =$

F. $83 \times 50 =$

G. $8367 - 538 =$

H. $3807 - 797 =$

I. $3450 + 4750 =$

2. Explain your estimation strategy for Question 1C.

3. Choose two problems in Question 1 and explain how you can solve them using mental math.

Part 4 Problem Solving

Solve the following problems. You may use mental math, paper and pencil, or a calculator.

1. John's uncle is taking a test to be a cashier at a grocery store. He must show different ways to give 59¢ in change using exactly 10 coins. Show one way to do this. As a challenge, show a second way.
2. Each of 20 students in a 4th-grade class needs to sell 12 boxes of cookies for a school fund-raiser. The 3rd-grade class also has 20 students and they need to sell only 6 boxes each. How many boxes do the 4th- and 3rd-graders need to sell in all?
3. Jerome has been given \$35.00 to buy items for his trip to a water park. He wants to buy a snorkeling mask for \$17.50, a new bathing suit for \$12.25, and an extra large beach towel for \$7.99. Estimate to see if he has enough money. If there is no sales tax, about how much change will he get? If he does not have enough money, about how much more money will he need?
4. Nila thinks that if she reads 30 pages of a 250-page book every night for eight nights she will finish the book. Is Nila right or wrong? Explain.