Module 2   **Whole Number Operations**
Lesson 3   **Large Numbers: Multiplication**

Additional Practice 2.3

Estimate before multiplying.

1. 499×7
    ≈ 3,500
    = 3,493

2. 622×3
    ≈ 1,800
    = 1,866

3. 306×8
    ≈ 2,400
    = 2,448

4. 888×5
    ≈ 4,500
    = 4,440

5. 189×62
    ≈ 12,000
    = 11,718

6. 999×43
    ≈ 43,000 or 40,000
    = 42,957

Solve using the Partial Products Method.

7. The student council needed 58 tables to use for their banquet. They arranged eight chairs around each table. How many chairs were there in all?
    464 chairs

8. If the library has 98 shelves with 112 books on each shelf, how many books are there in all?
    10,976 books

9. Mrs. Cason made 67 folders for her classes. She inserted 205 pieces of paper into each folder. How many pieces of paper were there all together?
    13,735 pieces of paper

10. If a television had 185 channels and each channel had 42 television shows, how many shows would there be in all?
    7,770 shows

11. Perry had to place 111 hangers on each of 59 racks in the clothing department of the store in which he worked. How many hangers did Perry place on the racks all together?
    6,549 hangers

12. If each backpack has six pockets and there are 552 backpacks, how many pockets would there be in all?
    3,312 pockets

Solve using the Standard Multiplication Method.

13. 43×66
2,838

14. 28×32
896

15. 95×61
5,795

16. 55×46
2,530

17. 308×57
17,556

18. 117×85
9,945

Solve each problem.

19. Use only 4, 5, 6, and 7. Make the largest possible product.

$$\square\square\square$$
$$\times \square$$

654
× 7
4,578

20. Use only 3, 4, 6, and 9. Make the smallest possible product.

$$\square\square\square$$
$$\times \square$$

469
× 3
1,407

Additional Practice