

WARM-UP

Problem 1 Use the standard algorithm to perform the following two multiplications:
 495×7 and 84×69 .

Problem 2 Perform the following operation by using long division: $7549 \div 12$.

PROBLEMS

Problem 3 Redo the two multiplication problems from Problem 1 (495×7 and 84×69) using the algorithms in Example 3.3 on page 69 and Example 3.4 on page 70 of Parker and Baldrige. Compare the algorithms: how are they different? Which mathematical features of multiplication do they obscure or highlight? Which ones would you present to your students? Be prepared to discuss this in a big group.

Problem 4 Perform the following multiplication using the standard algorithm: $(324)_5 \times (13)_5$.

Problem 5 Do parts 1, 3 and 5 of Activity 4BB on page 54 of Beckmann.

Problem 6 Do Activity 5P on page 111 of Beckmann.