

## WARM-UP

**Problem 1** Perform the following long division using the standard algorithm:  $5387 \div 67$ .

## PROBLEMS

**Problem 2** Do Activity 6M on page 127 of Beckmann. Be prepared to discuss your answer to part 2 in a big group.

**Problem 3** a) For each of the four standard algorithms, write down whether the algorithm starts by considering the largest or smallest place value. Explain why it makes mathematical sense to start with that place value. Would “going the other way” (i.e. starting with the smallest place value instead of the largest place value, or vice-versa) work? Explain why or why not.

b) Now think back to various intermediate and alternative algorithms we have discussed (expanded forms, partial products, scaffold, etc.), and discuss which place value they start with. Compare with the standard algorithm, and explain any differences and similarities you have found.

**Problem 4** Do Activity 6J on page 123 of Beckmann.