Choose Problem 1 or Problem 2. Explain how you checked to see whether your answer made sense.

Sample answer: I solved Problem 1 using U.S. traditional multiplication. Then I solved it again using partial-products multiplication. I got the same answer, so my answer makes sense.

For Problems 4–7, do the following:

• Write a number model with a letter for the unknown.

• Solve the problem. Use U.S. traditional multiplication for at least one problem.

• Show your work.

• Write the answer.

Sample number models given.

7 Paula has 7 decks of cards. Each deck of cards has 52 cards in it. How many cards does she have in all?
Number model: \[52 \times 7 = c\]
Answer: 364 cards

A bush is 21 inches tall. A tree is 5 times as tall as the bush. How tall is the tree?
Number model: \[21 \times 5 = x\]
Answer: 105 inches

A fence has 45 sections. Each section is 6 meters long. How long is the fence?
Number model: \[45 \times 6 = f\]
Answer: 270 meters

An apartment building has 9 apartments on each floor. There are 43 floors. How many apartments are in the building?
Number model: \[43 \times 9 = a\]
Answer: 387 apartments