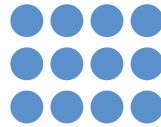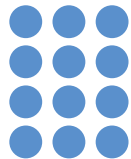# Parking Lot Multiplication Word Problems #1

The **commutative property of multiplication** means that two numbers can be multiplied in any order.

4 x 3 = 12   and   3 x 4 = 12

An **array** shows numbers, objects, or pictures in rows and columns.

Directions: Cut out the cars. Then, solve the multiplication problems by arranging the cars in arrays.
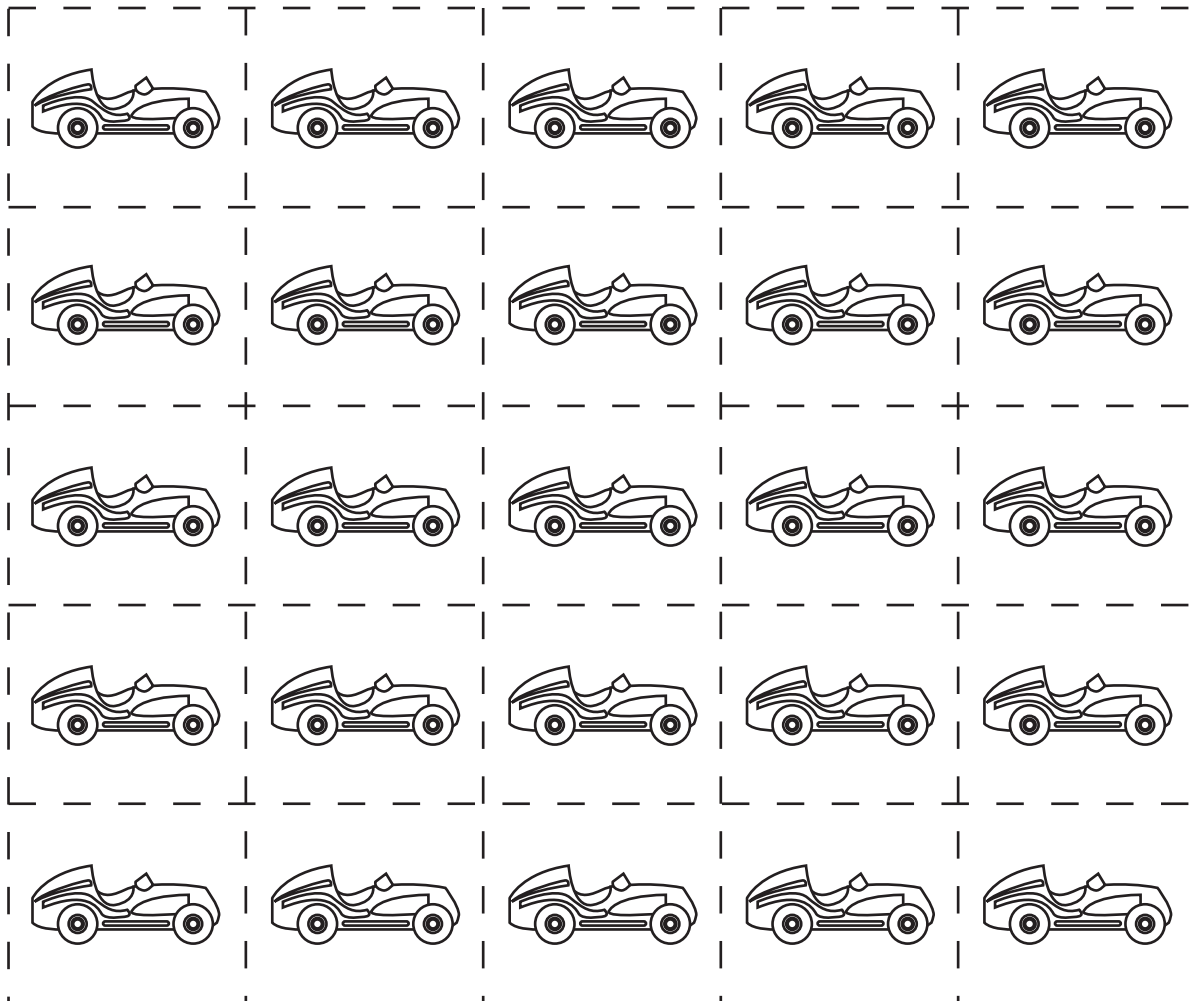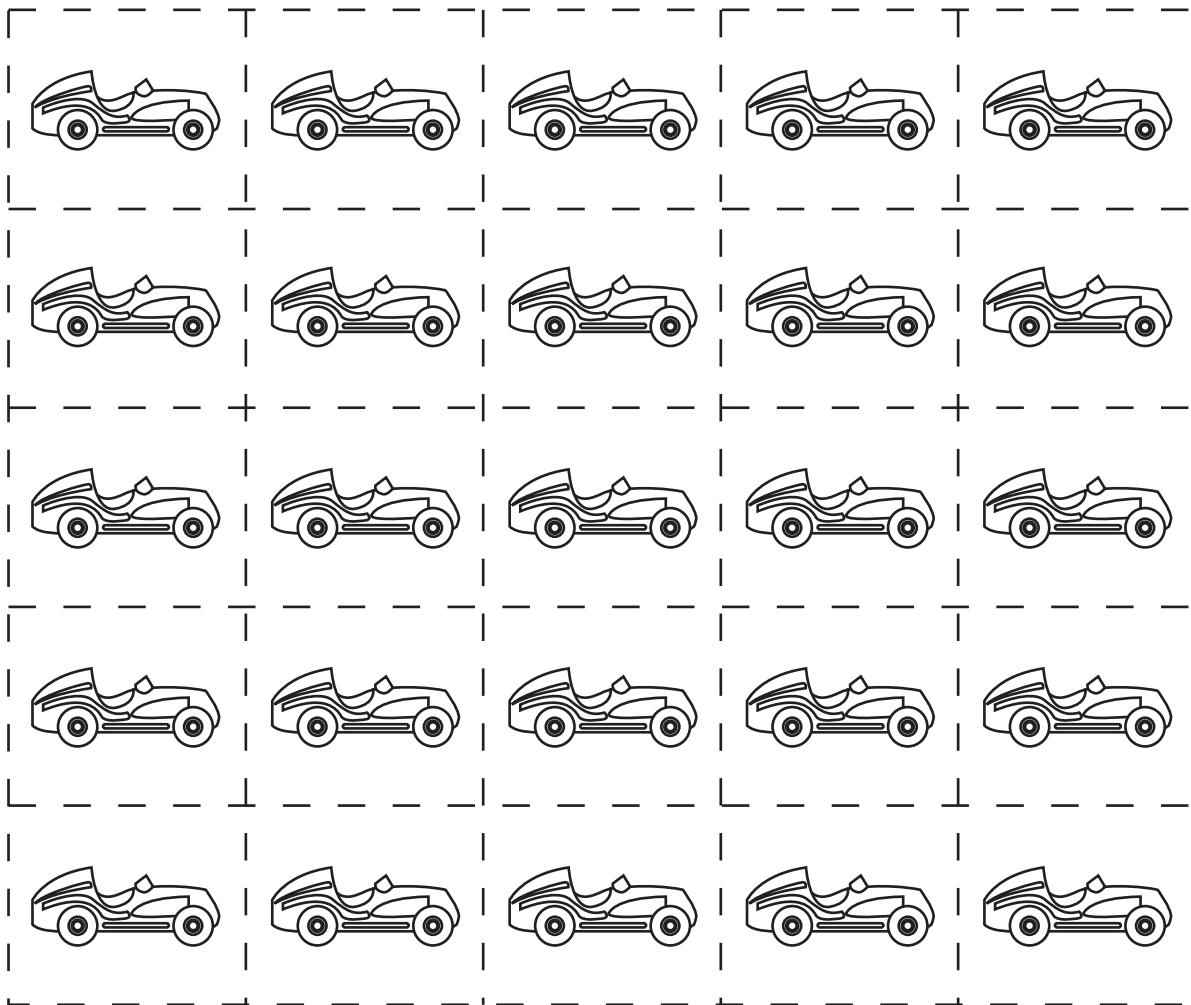
Parking Lot Multiplication Word Problems #1

Parking Lot Multiplication Word Problems #1

Part A: The upper level of a parking lot has space for a 6 x 4 array of cars. Create the array in the space below. How many cars can fit on the upper level?

Parking Lot Multiplication Word Problems #1

Part B: The lower level of a parking lot has space for a 4 x 6 array of cars. Create the array in the space below. How many cars can fit on the lower level?

Parking Lot Multiplication Word Problems #1

Part C: Now that you have answered both Part A and B, what do you notice about the car arrangements? How does your work show the commutative property of multiplication? Explain.

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