

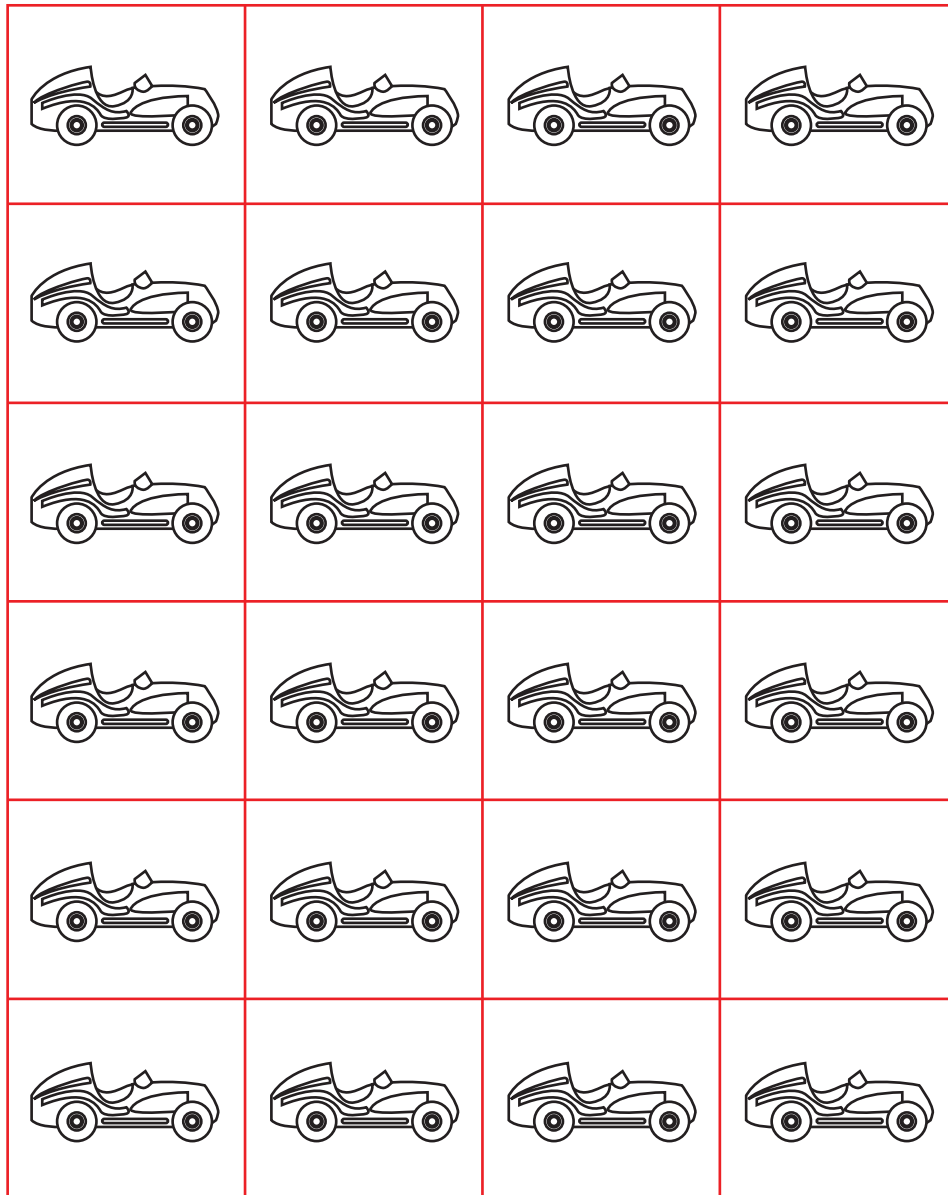
Name _____

Date _____

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?

ANSWER KEY



24 cars can fit on the upper level of the parking lot.

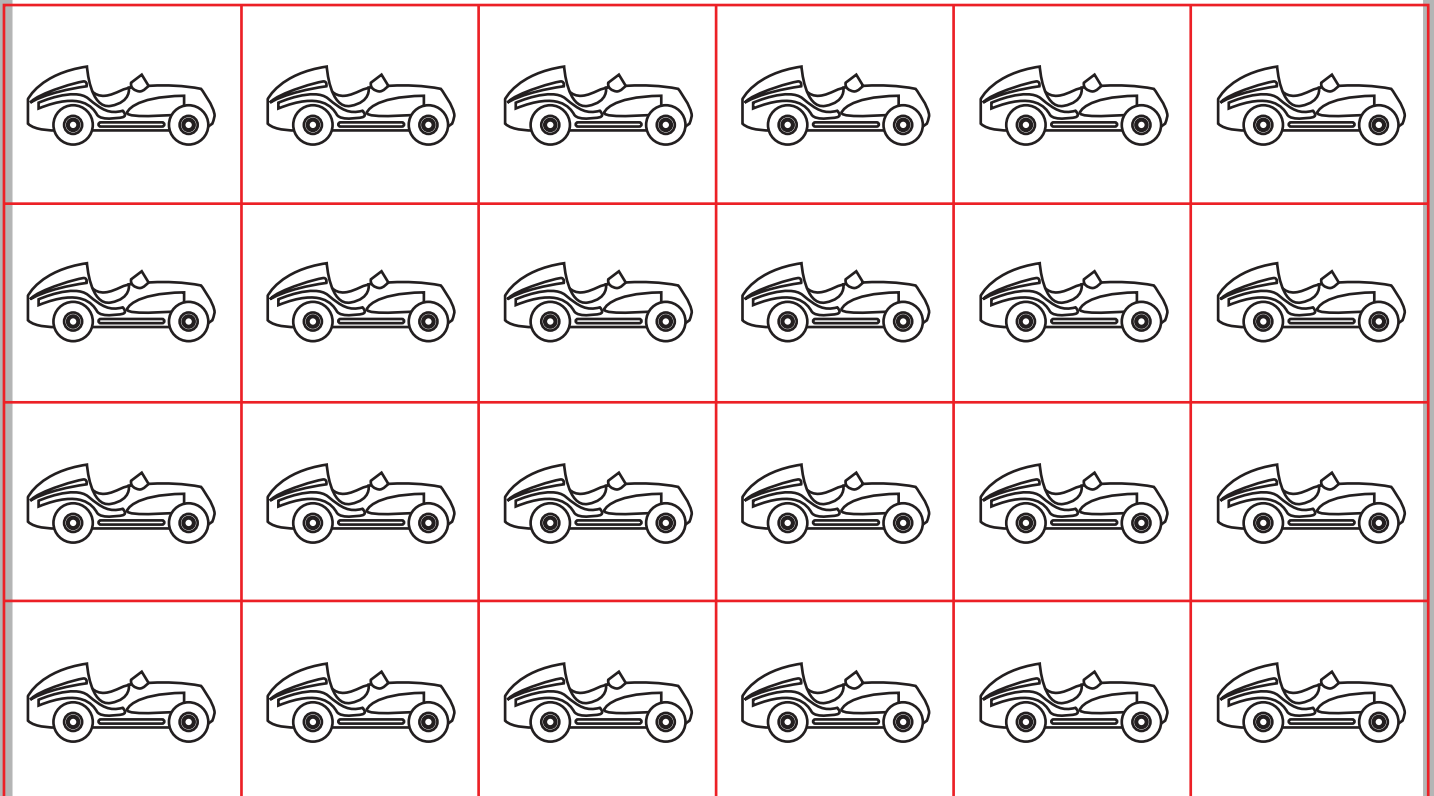
Name _____

Date _____

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?

ANSWER KEY



24 cars can fit on the lower level of the parking lot.

Name _____

Date _____

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.

Answers will vary, but may include:

I noticed that the car arrangements had a different number of

columns and rows, but the total number of cars was the same.

For example, in the first array, there were 6 rows and 4 columns

(6×4), and in the second array, there were 4 rows and 6

columns (4×6). Even though the arrays looked different, the

total was the same. The commutative property of multiplication

was shown because the order of the numbers in the

multiplication problem did not matter. The total number of cars

was 24 in each array.

