Multiplication Worksheets
(Commutative Property)

Name _____ Date _____

1. a. Count by twos 6 times.

_____, _____, _____, _____, _____, _____

b. Draw an array that matches your count-by.

c. Write a multiplication sentence that represents the total number of objects in your array.

_____ × _____ = _____

2. a. Count by sixes 2 times.

_____, _____

b. Draw an array that matches your count-by.

c. Write a multiplication sentence that represents the total number of objects in your array.

_____ × _____ = _____

3. a. Compare your work in Problems 1 and 2. Turn your paper as you study the arrays to look at them in different ways.

b. Why are the factors in your multiplication sentences in a different order?

4. Count by the unit (the number in word form) the number of times indicated. Write the multiplication sentence that matches your count by. The first one is done for you.

a. 6 twos: 6 × 2 = 12

b. 2 sixes: _____

c. 7 twos: _____

d. 2 sevens: _____

e. 9 twos: _____

f. 2 nines: _____

Bonus Questions:

g. 11 twos: _____

h. 2 twelves: _____

Multiplication Worksheets
(Commutative Property)

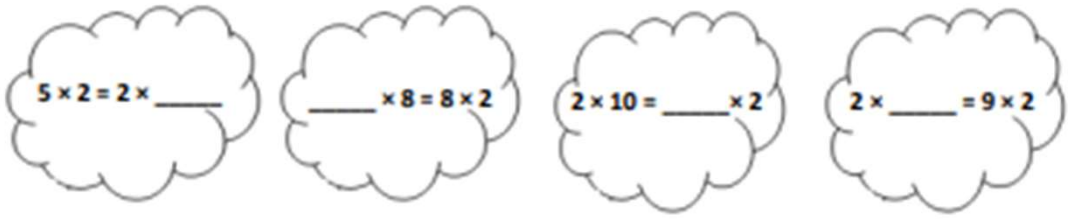
5. Write and solve a different multiplication sentence to describe each array.

_____

_____

6. Ms. Nenadal writes 2 × 7 = 7 × 2 on the board. Do you agree or disagree? Draw arrays to help explain your thinking.

7. Find the missing factor to make each number sentence true.



8. Jada gets 2 new packs of erasers. Each pack has 6 erasers in it.
   a. Draw an array to show how many erasers Jada has altogether.

   b. Write and solve a multiplication sentence to describe the array.

   c. Use the commutative property to write and solve a different multiplication sentence for the array.

Multiplication Worksheets
(Commutative Property)

1. a) Count by 2 six times.

2, 4, 6, 8, 10, 12

b) Draw an array that matches your count-by.

c) Write a multiplication sentence that represents the total number of objects in your array.

6 × 2 = 12

2. a) Count by 6 two times.

6, 12

b) Draw an array that matches your count-by.

c) Write a multiplication sentence that represents the total number of objects in your array.

2 × 6 = 12

3. a) Compare your work in problems 1 and 2. Turn your paper as you study the arrays to look at them in different ways.

It's the same array! The array in problem 1 just gets turned on its side in problem 2.

b) Why are the factors in your multiplication sentences in a different order?

Problem 1 you read as 6 groups and 2 in each group. Problem 2 you read as 2 groups with 6 in each group. So the problems are the same, but the numbers are arranged in a different order.

4. Count by the unit (the number in word form) the number of times indicated. Write the multiplication sentence that matches your count by. The first one is done for you.

a) 6 twos: 6 x 2 = 12

b) 2 sixes: 2 x 6 = 12

c) 7 twos: 7 x 2 = 14

d) 2 sevens: 2 x 7 = 14

e) 9 twos: 9 x 2 = 18

f) 2 nines: 2 x 9 = 18

Bonus Questions:

g) 11 twos: 11 x 2 = 22

h) 2 twelves: 2 x 12 = 24

Multiplication Worksheets
(Commutative Property)

5. Write and solve a different multiplication sentence to describe each array.

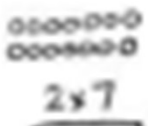
4 x 2 = 8

2 x 4 = 8

6. Ms. Nenadal writes 2 × 7 = 7 × 2 on the board. Do you agree or disagree? Draw arrays to help explain your thinking.

7 x 2

Array 1



2 x 7

Array 2

I agree. You can see the arrays I drew are the same. Array 2 just got put on its side. So you have to read the arrays a little differently because they are rotated. The number of dots are the same, and they are even organized the same. They are just rotated to look different. So 2 x 7 = 7 x 2.

7. Find the missing factor to make each number sentence true.

8. Jada gets 2 new packs of erasers. Each pack has 6 erasers in it.

a. Draw an array to show how many erasers Jada has altogether.

Pack 1 ○○○○○○
Pack 2 ○○○○○○

b. Write and solve a multiplication sentence to describe the array.

2 x 6 = 12

c. Use the commutative property to write and solve a different multiplication sentence for the array.

6 x 2 = 12