

# Exploring the Associative Property of Multiplication

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3rd Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1.  $6 \times 4 =$  \_\_\_\_\_

2.  $3 \times 7 =$  \_\_\_\_\_

3. If you multiply 2 friends by 5 cookies each, how many cookies do you have?

\_\_\_\_\_

4.  $8 \times 2 =$  \_\_\_\_\_

5. A box has 3 layers of 5 balls each. How many balls are there in total?

\_\_\_\_\_

6. Circle the greater product:  $(2 \times 6)$  or  $(3 \times 4)$

7. What number comes next? 1,  $(2 \times 3)$ , 6, \_\_\_\_\_

8.  $(5 \times 2) \times 3 = 5 \times (2 \times 3)$

True  False

9. If 5 groups of 3 apples are added together, how many apples are there?

\_\_\_\_\_

10.  $9 \times 1 =$  \_\_\_\_\_

11.  $7 \times 5 =$  \_\_\_\_\_

12. There are 4 packs of crayons with 6 crayons in each. How many crayons are there?

\_\_\_\_\_

13.  $12 \div 3 =$  \_\_\_\_\_

14. A garden has 3 rows of 4 flowers. How many flowers are in the garden?

\_\_\_\_\_

15. Circle the greater product:  $(4 \times 3) \times (3 \times 2)$ :

2

or

4

1.24 2.21 3.10 4.16 5.15 6.3 × 4 7.6 8.True 9.15 10.9 11.35 12.24 13.4 14.12 15.(4 × 3) × 2