

# Commutative Property

Name \_\_\_\_\_

## Key Concept and Vocabulary



Adding is commutative.

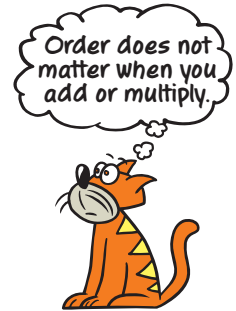
$$3 + 4 = 7$$
$$4 + 3 = 7$$

Both orders have the same sum.

Multiplying is commutative.

$$3 \times 4 = 12$$
$$4 \times 3 = 12$$

Both orders have the same product.



## PRACTICE MAKES PURR-FECT™

Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

1. Complete the **addition** table.

+	1	2	3	4	5	6	7
1	2	3	4	5	6	7	8
2	3	4	5	6	7	8	9
3	4	5	6	7	8	9	10
4	5	6	7	8	9	10	11
5	6	7	8	9	10	11	12
6	7	8	9	10	11	12	13
7	8	9	10	11	12	13	14

2. Complete the **multiplication** table.

×	1	2	3	4	5	6	7
1	1	2	3	4	5	6	7
2	2	4	6	8	10	12	14
3	3	6	9	12	15	18	21
4	4	8	12	16	20	24	28
5	5	10	15	20	25	30	35
6	6	12	18	24	30	36	42
7	7	14	21	28	35	42	49

3. **PATTERN** Describe the pattern in this table.

*Sample answer:* The first row is the same as the first column, the second row is the same as the second column, and so on.

4. **PATTERN** Describe the pattern in this table.

*Sample answer:* The first row is the same as the first column, the second row is the same as the second column, and so on.