

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

Score: \_\_\_\_\_

**Commutative and Associative Properties**

Sheet 2

The equations in each question are equivalent. Fill in the missing number and write the property used:

1)  $(\underline{\quad} + 6) + 8 = 16$

$2 + (6 + 8) = \underline{\quad}$

Property: \_\_\_\_\_

2)  $12 \times 3 = \underline{\quad}$

$\underline{\quad} \times 12 = 36$

Property: \_\_\_\_\_

3)  $(4 \times 9) \times 5 = \underline{\quad}$

$4 \times (9 \times \underline{\quad}) = 180$

Property: \_\_\_\_\_

4)  $7 + \underline{\quad} = 10$

$3 + 7 = \underline{\quad}$

Property: \_\_\_\_\_

$\underline{\quad} + 8 = 14$

$\underline{\quad} + 6 = \underline{\quad}$

Property: \_\_\_\_\_

7)  $\underline{\quad} \times 6 = 12$

$6 \times 2 = \underline{\quad}$

Property: \_\_\_\_\_

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$(8 \times 3) = \underline{\quad}$

$8) \times \underline{\quad} = 120$

Property: \_\_\_\_\_

10)  $4 + 9 = \underline{\quad}$

$9 + \underline{\quad} = 13$

Property: \_\_\_\_\_

$(\underline{\quad} + 5) + 2 = 13$

$\underline{\quad} + (5 + 2) = \underline{\quad}$

Property: \_\_\_\_\_

13)  $(7 + \underline{\quad}) + 4 = 17$

$7 + (8 + 4) = \underline{\quad}$

Property: \_\_\_\_\_

14)  $7 \wedge \underline{\quad} = 05$

$9 \times 7 = \underline{\quad}$

Property: \_\_\_\_\_

15)  $(\underline{\quad} + \underline{\quad}) + 2 = 14$

$4 + (8 + 2) = \underline{\quad}$

Property: \_\_\_\_\_

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

Score: \_\_\_\_\_

**Answer key****Commutative and Associative Properties**

Sheet 2

1)  $(2 + 6) + 8 = 16$

$2 + (6 + 8) = 16$

Property: **Associative property of addition**

2)  $12 \times 3 = 36$

$3 \times 12 = 36$

Property: **Commutative property**

3)  $(4 \times 9) \times 5 = 180$

$4 \times (9 \times 5) = 180$

Property: **Associative property of multiplication**

4)  $7 + 3 = 10$

$3 + 7 = 10$

Property: **Commutative property of addition**

$7 + 8 = 14$

$8 + 6 = 14$

Property: **Commutative property of addition**

7)  $2 \times 6 = 12$

$6 \times 2 = 12$

Property: **Commutative property of multiplication**

$(8 \times 3) = 120$

$8 \times 3 = 120$

Property: **Associative property of multiplication**

10)  $4 + 9 = 13$

$9 + 4 = 13$

Property: **Commutative property of addition**

$(4 + 5) + 2 = 13$

$(5 + 2) = 13$

Property: **Associative property of addition**

13)  $(7 + 8) + 4 = 19$

$7 + (8 + 4) = 19$

Property: **Associative property of addition**

14)  $7 \times 9 = 63$

$9 \times 7 = 63$

Property: **Commutative property of multiplication**

15)  $(4 + 8) + 2 = 14$

$4 + (8 + 2) = 14$

Property: **Associative property of addition**

**PREVIEW**

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