

Name: _____

Score: _____

Commutative and Associative Properties

Sheet 1

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

1) $5 + \underline{\quad} = 11$

$6 + 5 = \underline{\quad}$

Property: _____

2) $4 \times (7 \times 2) = \underline{\quad}$

$(4 \times 7) \times \underline{\quad} = 56$

Property: _____

3) $11 + 7 = \underline{\quad}$

$7 + \underline{\quad} = 18$

Property: _____

4) $(\underline{\quad} + 8) + 3 =$

$4 + (8 + 3) =$

Property: _____

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

$(5 \times \underline{\quad}) = 280$

Property: _____

7) $\underline{\quad} \times 8 = 24$

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

Property: _____

$\underline{\quad} = 18$

$6 = \underline{\quad}$

Property: _____

10) $(7 \times 2) \times 6 =$

$7 \times (2 \times \underline{\quad}) =$

Property: _____

$\underline{\quad} + 8) + 5 = 17$

$(8 + 5) = \underline{\quad}$

Property: _____

13) $14 + 5 = \underline{\quad}$

$5 + \underline{\quad} = 19$

Property: _____

14) $(2 \times 5) \times 6 = \underline{\quad}$

$2 \times (5 \times \underline{\quad}) = 60$

Property: _____

15) $9 \times 6 = \underline{\quad}$

$\underline{\quad} \times 9 = 54$

Property: _____

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Name: _____

Answer key

Score: _____

Commutative and Associative Properties

Sheet 1

1) $5 + 6 = 11$

$6 + 5 = 11$

Property: **Commutative property of addition**

2) $4 \times (7 \times 2) = 56$

$(4 \times 7) \times 2 = 56$

Property: **Associative property of multiplication**

3) $11 + 7 = 18$

$7 + 11 = 18$

Property: **Commutative property of addition**

4) $(4 + 8) + 3 =$

$4 + (8 + 3) =$

Property: **Associative property of addition**

7) $3 \times 8 = 24$

$8 \times 3 = 24$

Property: **Commutative property of multiplication**

10) $(7 \times 2) \times 6 =$

$7 \times (2 \times 6) =$

Property: **Associative property of multiplication**

13) $14 + 5 = 19$

$5 + 14 = 19$

Property: **Commutative property of addition**

$2 \times (5 \times 6) = 60$

Property: **Associative property of multiplication**

$6 \times 9 = 54$

$9 \times 6 = 54$

Property: **Commutative property of multiplication**

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5) $5 \times 8 = 280$

$(5 \times 8) = 280$

Property: **Associative property of multiplication**

6) $3 = 18$

$6 = 18$

Property: **Commutative property of multiplication**

8) $(8 + 5) + 5 = 17$

$(8 + 5) = 17$

Property: **Associative property of addition**