Algebra
Skill 3 - 4C

Grouping Property of Addition or Associative Property of Addition.

Directions: Which answer is an example of the Grouping Property (Associative Property) of Addition?

A. $8 + 0 = 8$ **B. $(5 + 3) + 7 = 5 + (3 + 7)$**   **C.** $2 + 8 = 8 + 2$

The answer is B. The Grouping property or Associative property - The way addends are grouped does not change the sum.

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1.   Grouping Property of Addition or Associative Property of Addition

A. $(3 + 8) + 7 = 3 + (8 + 7)$ **B**. $9 + 2 = 2 + 9$ **C.** $9 + 0 = 9$

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2.   Grouping Property of Addition or Associative Property of Addition

A. $3 + 4 = 4 + 3$ **B**. $7 + 0 = 7$ **C.** $(5 + 3) + 2 = 5 + (3 + 2)$

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3.   Grouping Property of Addition or Associative Property of Addition

A. $(6 + 5) + 2 = 6 + (5 + 2)$ **B**. $5 + 8 = 8 + 5$ **C.** $8 + 0 = 8$

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4.   Grouping Property of Addition or Associative Property of Addition

A. $1 + 0 = 1$ **B**. $(4 + 3) + 2 = 4 + (3 + 2)$ **C.** $6 + 7 = 7 + 6$

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5.   Grouping Property of Addition or Associative Property of Addition

A. $2 + 1 = 1 + 2$ **B**. $7 + 0 = 7$ **C.** $(8 + 1) + 3 = 8 + (1 + 3)$

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Directions: Which answer is an example of the Grouping Property of Addition?

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6.   Grouping Property of Addition or Associative Property of Addition

A. $(6 + 5) + 8 = 6 + (5 + 8)$ **B**. $7 + 9 = 9 + 7$ **C.** $3 + 0 = 3$

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7.   Grouping Property or Associative Property of Addition

A. $10 + 0 = 10$ **B**. $(6 + 5) + 4 = 6 + (5 + 4)$ **C.** $7 + 3 = 3 + 7$

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8.   Grouping Property or Associative Property of Addition

A. $(3 + 6) + 8 = 3 + (6 + 8)$ **B**. $7 + 2 = 2 + 7$ **C.** $5 + 0 = 5$

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9.   Grouping Property or Associative Property of Addition

A. $7 + 8 = 8 + 7$ **B**. $6 + 0 = 6$ **C.** $(7 + 5) + 9 = 7 + (5 + 9)$

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10.   Grouping Property or Associative Property of Addition

A. $(4 + 2) + 6 = 4 + (2 + 6)$ **B**. $5 + 4 = 4 + 5$ **C.** $2 + 0 = 2$

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11.   Grouping Property of Addition or Associative Property of Addition

A. $9 + 0 = 9$ **B**. $(7 + 2) + 5 = 7 + (2 + 5)$ **C.** $9 + 3 = 3 + 9$

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Grouping Property of Addition

Directions: Which answer is an example of the Grouping Property of Addition?

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12. Grouping Property of Addition or Associative Property of Addition

A. $(5 + 9) + 3 = 5 + (9 + 3)$ **B**. $7 + 1 = 1 + 7$ **C.** $2 + 0 = 2$

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13. Grouping Property of Addition or Associative Property of Addition

A. $5 + 9 = 9 + 5$ **B**. $6 + 0 = 6$ **C.** $(5 + 3) + 2 = 5 + (3 + 2)$

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14. Grouping Property of Addition or Associative Property of Addition

A. $12 + 0 = 12$ **B**. $(7 + 8) + 6 = 7 + (8 + 6)$ **C.** $11 + 12 = 12 + 11$

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15. Grouping Property of Addition or Associative Property of Addition

A. $6 + 13 = 13 + 6$ **B**. $14 + 0 = 14$ **C.** $(8 + 9) + 2 = 8 + (9 + 2)$

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16. Grouping Property of Addition or Associative Property of Addition

A. $(7 + 3) + 4 = 7 + (3 + 4)$ **B**. $2 + 9 = 9 + 2$ **C.** $8 + 0 = 8$

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17. Grouping Property of Addition or Associative Property of Addition

A. $4 + 0 = 4$ **B**. $(5 + 2) + 4 = 5 + (2 + 4)$ **C.** $9 + 3 = 3 + 9$

Answer Key
Skill 3 - 4C

Directions: Which answer is an example of the Grouping Property (Associative Property) of Addition?		
A. 8 + 0 = 8	**B.** (5 + 3) + 7 = 5 + (3 + 7)	**C.** 2 + 8 = 8 + 2
The above is an example of the Identity Property of Addition	The above is an example of the Associative Property of Addition	Above is an example of the Order Property or sometimes called the Commutative Property of Addition
The answer is B. The Grouping property or Associative property - The way addends are grouped does not change the sum.		

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1. A	2. C	3. A	4. B	5. C	

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6. A	7. B	8. A	9. C	10. A	11. B

Page 3

12. A	13. C	14. B	15. C	16. A	17. B