

Name : _____

Score : _____ Date : _____

Addition: Associative Property



Use the associative property of addition and determine if the equations are equal or not equal.

Example:

$$(1 + 2) + 3 \underline{\hspace{2cm}} = 1 + (2 + 3)$$

$$(2 + 3) + 5 \underline{\hspace{2cm}} \neq 2 + (3 + 6)$$

① $(3 + 7) + 5 \underline{\hspace{2cm}} 3 + (7 + 5)$

② $2 + (9 + 5) \underline{\hspace{2cm}} (2 + 9) + 7$

③ $3 + (6 + 4) \underline{\hspace{2cm}} (3 + 6) + 4$

④ $9 + (6 + 8) \underline{\hspace{2cm}} (9 + 6) + 9$

⑤ $(7 + 3) + 2 \underline{\hspace{2cm}} 7 + (3 + 2)$

⑥ $6 + (5 + 4) \underline{\hspace{2cm}} (6 + 5) + 3$

⑦ $5 + (4 + 2) \underline{\hspace{2cm}} (5 + 4) + 2$

⑧ $10 + (5 + 3) \underline{\hspace{2cm}} (10 + 5) + 3$

⑨ $10 + (11 + 9) \underline{\hspace{2cm}} (10 + 11) + 8$

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Addition: Associative Property



Answers.

Example:

$$(1 + 2) + 3 \underline{\quad = \quad} 1 + (2 + 3)$$

$$(2 + 3) + 5 \underline{\quad \neq \quad} 2 + (3 + 6)$$

1 $(3 + 7) + 5 \underline{\quad = \quad} 3 + (7 + 5)$

2 $2 + (9 + 5) \underline{\quad \neq \quad} (2 + 9) + 7$

3 $3 + (6 + 4) \underline{\quad = \quad} (3 + 6) + 4$

4 $9 + (6 + 8) \underline{\quad \neq \quad} (9 + 6) + 9$

5 $(7 + 3) + 2 \underline{\quad = \quad} 7 + (3 + 2)$

6 $6 + (5 + 4) \underline{\quad \neq \quad} (6 + 5) + 3$

7 $5 + (4 + 2) \underline{\quad = \quad} (5 + 4) + 2$

8 $10 + (5 + 3) \underline{\quad = \quad} (10 + 5) + 3$

9 $10 + (11 + 9) \underline{\quad \neq \quad} (10 + 11) + 8$