

Associative Property of Addition

Answer Key

A) Write the missing number using the associative property of addition.

$$1) (\underline{2} + 5) + 3 = 2 + (5 + 3) \quad 2) (9 + \underline{3}) + 4 = 9 + (3 + 4)$$

$$3) (7 + 3) + 6 = 7 + (\underline{3} + 6) \quad 4) (1 + 4) + 2 = 1 + (4 + \underline{2})$$

$$5) (8 + \underline{1}) + 2 = 8 + (1 + 2) \quad 6) (6 + 5) + \underline{9} = 6 + (5 + 9)$$

$$7) (10 + 6) + 1 = \underline{10} + (6 + 1) \quad 8) (5 + 3) + 4 = 5 + (\underline{3} + 4)$$

B) 1) If $(8 + 5) + 3 = 16$, then $8 + (5 + 3) = \underline{16}$.

2) If $(3 + 4) + 1 = 8$, then $3 + (4 + 1) = \underline{8}$.

C) 1) Write the associative property of addition using the addends 7, 6, and 5.
(Order of numbers may vary.)

$$\underline{(7 + 6) + 5 = 7 + (6 + 5)}$$

2) Write the associative property of addition using the addends 10, 2, and 3.
(Order of numbers may vary.)

$$\underline{(10 + 2) + 3 = 10 + (2 + 3)}$$