

# Associative Law of Addition (C)

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

Date: \_\_\_\_\_

Re-write each expression with different parentheses to change the order of operations.

Example:  $(8 + 5) + 12 = 8 + (5 + 12)$

1.  $2 + (5 + 8) =$

2.  $1 + (12 + 18) =$

3.  $6 + (16 + 23) =$

4.  $(13 + 36) + 25 =$

5.  $47 + (87 + 31) =$

6.  $6 + ((8 + 10) + 1) =$

7.  $14 + (2 + (22 + 12)) =$

8.  $(27 + (47 + 24)) + 6 =$

9.  $(53 + 16) + (40 + 86) =$

10.  $56 + (37 + (94 + 14)) =$

Are the expressions in each question equal? Check a few to confirm.

## Associative Law of Addition (C) Answers

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

Date: \_\_\_\_\_

Re-write each expression with different parentheses to change the order of operations.

Example:  $(8 + 5) + 12 = 8 + (5 + 12)$

- $2 + (5 + 8) = (2 + 5) + 8$
- $1 + (12 + 18) = (1 + 12) + 18$
- $6 + (16 + 23) = (6 + 16) + 23$
- $(13 + 36) + 25 = 13 + (36 + 25)$
- $47 + (87 + 31) = (47 + 87) + 31$
- $6 + ((8 + 10) + 1) = ((6 + 8) + 10) + 1$   
 $= (6 + 8) + (10 + 1) = (6 + (8 + 10)) + 1 = 6 + (8 + (10 + 1))$
- $14 + (2 + (22 + 12)) = ((14 + 2) + 22) + 12$   
 $= (14 + 2) + (22 + 12) = (14 + (2 + 22)) + 12 = 14 + ((2 + 22) + 12)$
- $(27 + (47 + 24)) + 6 = ((27 + 47) + 24) + 6$   
 $= (27 + 47) + (24 + 6) = 27 + ((47 + 24) + 6) = 27 + (47 + (24 + 6))$
- $(53 + 16) + (40 + 86) = ((53 + 16) + 40) + 86$   
 $= (53 + (16 + 40)) + 86 = 53 + ((16 + 40) + 86) = 53 + (16 + (40 + 86))$
- $56 + (37 + (94 + 14)) = ((56 + 37) + 94) + 14$   
 $= (56 + 37) + (94 + 14) = (56 + (37 + 94)) + 14 = 56 + ((37 + 94) + 14)$

Are the expressions in each question equal? Check a few to confirm.