

Associative Law of Addition (A)

Name: _____

Date: _____

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

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

1. $3 + (8 + 5) =$

2. $(17 + 10) + 3 =$

3. $14 + (1 + 24) =$

4. $(49 + 31) + 10 =$

5. $2 + (59 + 68) =$

6. $((1 + 8) + 11) + 4 =$

7. $((13 + 2) + 19) + 10 =$

8. $((22 + 33) + 12) + 37 =$

9. $(36 + (75 + 3)) + 62 =$

10. $66 + ((95 + 19) + 28) =$

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

Associative Law of Addition (A) Answers

Name: _____

Date: _____

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

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

- $3 + (8 + 5) = (3 + 8) + 5$
- $(17 + 10) + 3 = 17 + (10 + 3)$
- $14 + (1 + 24) = (14 + 1) + 24$
- $(49 + 31) + 10 = 49 + (31 + 10)$
- $2 + (59 + 68) = (2 + 59) + 68$
- $((1 + 8) + 11) + 4 = (1 + 8) + (11 + 4)$
 $= (1 + (8 + 11)) + 4 = 1 + ((8 + 11) + 4) = 1 + (8 + (11 + 4))$
- $((13 + 2) + 19) + 10 = (13 + 2) + (19 + 10)$
 $= (13 + (2 + 19)) + 10 = 13 + ((2 + 19) + 10) = 13 + (2 + (19 + 10))$
- $((22 + 33) + 12) + 37 = (22 + 33) + (12 + 37)$
 $= (22 + (33 + 12)) + 37 = 22 + ((33 + 12) + 37) = 22 + (33 + (12 + 37))$
- $(36 + (75 + 3)) + 62 = ((36 + 75) + 3) + 62$
 $= (36 + 75) + (3 + 62) = 36 + ((75 + 3) + 62) = 36 + (75 + (3 + 62))$
- $66 + ((95 + 19) + 28) = ((66 + 95) + 19) + 28$
 $= (66 + 95) + (19 + 28) = (66 + (95 + 19)) + 28 = 66 + (95 + (19 + 28))$

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