

Associative Law of Addition (F)

Name: _____

Date: _____

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

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

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

2. $17 + (5 + 12) =$

3. $9 + (28 + 13) =$

4. $(6 + 38) + 30 =$

5. $(90 + 14) + 59 =$

6. $(12 + 3) + (8 + 5) =$

7. $((14 + 3) + 8) + 22 =$

8. $44 + (7 + (14 + 26)) =$

9. $(29 + 2) + (53 + 83) =$

10. $73 + (63 + (10 + 25)) =$

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

Associative Law of Addition (F) Answers

Name: _____

Date: _____

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

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

- $(6 + 8) + 1 = 6 + (8 + 1)$
- $17 + (5 + 12) = (17 + 5) + 12$
- $9 + (28 + 13) = (9 + 28) + 13$
- $(6 + 38) + 30 = 6 + (38 + 30)$
- $(90 + 14) + 59 = 90 + (14 + 59)$
- $(12 + 3) + (8 + 5) = ((12 + 3) + 8) + 5$
 $= (12 + (3 + 8)) + 5 = 12 + ((3 + 8) + 5) = 12 + (3 + (8 + 5))$
- $((14 + 3) + 8) + 22 = (14 + 3) + (8 + 22)$
 $= (14 + (3 + 8)) + 22 = 14 + ((3 + 8) + 22) = 14 + (3 + (8 + 22))$
- $44 + (7 + (14 + 26)) = ((44 + 7) + 14) + 26$
 $= (44 + 7) + (14 + 26) = (44 + (7 + 14)) + 26 = 44 + ((7 + 14) + 26)$
- $(29 + 2) + (53 + 83) = ((29 + 2) + 53) + 83$
 $= (29 + (2 + 53)) + 83 = 29 + ((2 + 53) + 83) = 29 + (2 + (53 + 83))$
- $73 + (63 + (10 + 25)) = ((73 + 63) + 10) + 25$
 $= (73 + 63) + (10 + 25) = (73 + (63 + 10)) + 25 = 73 + ((63 + 10) + 25)$

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