

Step by Step Guide to Order of Operations

The keys to success

- "Think" your steps out
- Highlight or underline as you solve each step
- Must show all work

P
E
MD or DM L to R
AS or SA L to R

1.) $(26 + 2) \div 7$
 $28 \div 7$
 (4)

2.) $9^2 - (8 \times 9)$
 $9^2 - 72$
 $81 - 72 = (9)$

3.) $7 + (30 \div 5) + 7$
 $7 + 6 + 7 = (20)$

4.) $22 - 1 \times 5 + 4^2$
 $22 - 1 \times 5 + 16$
 $22 - 5 + 16$
 (33) L to R in any order

5.) $75 - 5^2 + (18 \div 9)$
 $75 - 5^2 + 2$
 $\rightarrow 75 - 25 + 2$
L to R in any order (52)

6.) $15 + 36 \div (2 + 2^2)$
 $15 + 36 \div 6$
 $15 + 6 = (21)$

7.) $4 \times (1 + 3^2)$ and $4 \times (1 + 3)^2$
 4×10
 (40)
 4×4^2
 4×16
 (64)

the answer was 10
not the same even though
the numbers are the same in the problem
the operations on each were
different