

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 $\xrightarrow{\text{L to R}}$
AS or SA $\xrightarrow{\text{L to R}}$

1.) $(26+2) \div 7$ 2) $9^2 - (8 \times 9)$
 $28 \div 7$ $9^2 - 72$
 (4) $81 - 72 = (9)$

3.) $7 + (30 \div 5) + 7$ 4) $22 - 1 \times 5 + 4^2$
 $7 + 6 + 7 = (20)$ $22 - 5 + 16$
 (33) $L \rightarrow R$
in any order

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

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 **NO**
not the same even though
the numbers are the same in the problem
the operations on each were
different