

### PEMDAS with nested parenthesis

Grade 5 Order of Operations Worksheet

Solve the following.

1)  $72 \div (22 \cdot 19)^2 =$  \_\_\_\_\_

2)  $(5^2 \cdot 3^2) \cdot (5 \cdot 3)^2 =$  \_\_\_\_\_

3)  $5^2 \cdot 3^2 \cdot 5 \cdot 3^2 =$  \_\_\_\_\_

4)  $5^2 \cdot [(3^2 \cdot 5) \cdot 3]^2 =$  \_\_\_\_\_

5)  $2 \times \{6 + [7 \times (12 \cdot 8)]\} \cdot 32 =$  \_\_\_\_\_

6)  $7 \times 5 + (10^2 \cdot 2 \times 8) =$  \_\_\_\_\_

7)  $3 \times \{45 \cdot [9 \times (21 \cdot 11 \cdot 8)^2]\} =$  \_\_\_\_\_

8)  $80 \cdot [2 \times (21 + 10)] \cdot (38 \cdot 3) \div 7 =$  \_\_\_\_\_

9)  $\{3 \times [(9 \cdot 3)^2 \cdot (21 \cdot 19) \times 4]\} \div 2 =$  \_\_\_\_\_

10)  $\{6 \times [27 \cdot (12 \cdot 8)^2]\} \div 2 =$  \_\_\_\_\_