



# ORDER OF OPERATIONS

Name \_\_\_\_\_

Score \_\_\_\_\_

OF:24

Example:  $\{[5 + (9^2 \div 27)] + 18\} - 8$   
 $= \{[5 + (81 \div 27)] + 18\} - 8$   
 $= \{[5 + 3] + 18\} - 8$   
 $= \{8 + 18\} - 8$   
 $= 26 - 8$   
 $= \mathbf{18}$

Solve each expression.

1)  $7^2 \times \{2^2 - [5 \times (3 \div 3)]\}$

\_\_\_\_\_

2)  $11 + \{3 \times (2 + 2^2)\} - (35 + 18 \div 3^2)$

\_\_\_\_\_

3)  $\{[(21 \div 3)^2 - 40] \times 2\} + 15$

\_\_\_\_\_

4)  $\{3 + [15 \div (8 - 5)]\} - 8^2$

\_\_\_\_\_

5)  $(3 \times 2^2) \times \{[2 + (6^2 \div 3)] - 10\}$

\_\_\_\_\_

6)  $5^3 + \{2^2 + [27 \div (3 \times 3)]\}$

\_\_\_\_\_

7)  $\{9^3 \div [17 - (4^2 \div 8) \times 4]\} + 20$

\_\_\_\_\_

8)  $96 - 3^2 + \{4 \times (29 - 3^3)^4\}$

\_\_\_\_\_



# ORDER OF OPERATIONS

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## Answer key

OF:24

Example:  $\{[5 + (9^2 \div 27)] + 18\} - 8$   
 $= \{[5 + (81 \div 27)] + 18\} - 8$   
 $= \{[5 + 3] + 18\} - 8$   
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Solve each expression.

1)  $7^2 \times \{2^2 - [5 \times (3 \div 3)]\}$

          -49          

2)  $11 + \{3 \times (2 + 2^2)\} - (35 + 18 \div 3^2)$

          -8          

3)  $\{[(21 \div 3)^2 - 40] \times 2\} + 15$

          33          

4)  $\{3 + [15 \div (8 - 5)]\} - 8^2$

          -56          

5)  $(3 \times 2^2) \times \{[2 + (6^2 \div 3)] - 10\}$

          48          

6)  $5^3 + \{2^2 + [27 \div (3 \times 3)]\}$

          132          

7)  $\{9^3 \div [17 - (4^2 \div 8) \times 4]\} + 20$

          101          

8)  $96 - 3^2 + \{4 \times (29 - 3^3)^4\}$

          151