



# ORDER OF OPERATIONS

Name \_\_\_\_\_

Score \_\_\_\_\_

OF:23

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)  $\{5 + [2^3 \times 4 - (1 + 2)^2]\} - 80$

\_\_\_\_\_

2)  $(4^2 \div 2^4) \times \{5 + [16 \times 3]\}$

\_\_\_\_\_

3)  $\{21 - [3 \times (5 + 2^2)]\} + 14$

\_\_\_\_\_

4)  $9^2 + 3^2 \times \{7^2 - (7 \times 4 + 1)\}$

\_\_\_\_\_

5)  $(18 - 13)^3 \times \{42 - [52 - 11]\} - 99$

\_\_\_\_\_

6)  $15 + \{[(6^3 \div 18) - 2]\} + 2^4$

\_\_\_\_\_

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

\_\_\_\_\_

8)  $\{4 + [(36 \div 3^2) \times 2]\} - 14$

\_\_\_\_\_



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## Answer key

OF:23

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)  $\{5 + [2^3 \times 4 - (1 + 2)^2]\} - 80$

      **-52**      

2)  $(4^2 \div 2^4) \times \{5 + [16 \times 3]\}$

      **53**      

3)  $\{21 - [3 \times (5 + 2^2)]\} + 14$

      **8**      

4)  $9^2 + 3^2 \times \{7^2 - (7 \times 4 + 1)\}$

      **261**      

5)  $(18 - 13)^3 \times \{42 - [52 - 11]\} - 99$

      **26**      

6)  $15 + \{[(6^3 \div 18) - 2]\} + 2^4$

      **41**      

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

      **117**      

8)  $\{4 + [(36 \div 3^2) \times 2]\} - 14$

      **-2**