

5.5 Order of Operations

Chapter 5: Introduction to Algebra

Name: _____

Date: _____

Class/Period: _____

Problem 5.89 Evaluate $7 + 4 \cdot 5$.

Problem 5.92 Evaluate $20 - 8 + 3$.

Problem 5.90 Evaluate $(7 + 4) \cdot 5$.

Problem 5.93 Evaluate $4^2 + 18 \div 3$.

Problem 5.91 Evaluate $36 \div 6 \cdot 2$.

Problem 5.94 Evaluate $5(12 - 8) + 7$.

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Problem 5.95 Evaluate $48 \div (10 - 4) + 2$.

Problem 5.98 Evaluate $2^3 + 4(7 - 3)$.

Problem 5.96 Evaluate $3 [14 - (2^3 + 1)]$.

Problem 5.99 Evaluate $30 - 2(3^2 + 4)$.

Problem 5.97 Evaluate $\frac{18 + 6}{3 \cdot 2}$.

Problem 5.100 Evaluate $72 \div 3^2 \cdot 2$.

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Problem 5.101 Evaluate $6 + 24 \div (2 \cdot 3) - 1$.

Problem 5.103 Evaluate $64 \div [2 \cdot (3 + 5)]$.

Problem 5.102 Evaluate $2[5 + 3(4 - 1)]$.

Problem 5.104 Evaluate $5^2 - [6 + 3(4)]$.

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Problem 5.105 Insert one pair of parentheses into $18 - 6 \div 3$ so the expression has value 4.

Problem 5.107 Compare $2(3 + 5)$ and $2 \cdot 3 + 5$. Are the expressions equal? Show the value of each.

Problem 5.106 A student evaluates $24 \div 6 \cdot 2$ as $24 \div 12 = 2$. Explain the error and find the correct value.

Problem 5.108 A game awards 5 points for each of 4 wins and a bonus of 3^2 points. Write and evaluate one expression for the total score.