

Name: _____

Unit 1: Study Guide 1: Order of Operations

MCC5.OA.1 Use Parenthesis, brackets, or braces in numerical expressions and evaluate expressions with these symbols.

<p>1. Hendrick needs to simplify this expression. Which operation should he do first? $50 - (35 \div 5) \times (3 - 1)$</p> <p>A. $50 - 7$ C. $(3 - 1)$</p> <p>B. $35 \div 5$ D. 7×2</p>	<p>2. Kharll wants to simplify the following expression which operation should he do first? $\{ [5 \times (8 \div 2)] + 18 - 12 \}$</p> <p>A. $8 \div 2$ C. 5×8</p> <p>B. $18 - 12$ D. This problem can't be simplified.</p>
<p>3. Evaluate this expression: $16 - 12 + 4 =$</p>	<p>4. Evaluate this expression: $3 \times (10 - 4 \div 2) =$</p>
<p>5. Evaluate this expression: $7 + [(3 + 5) \div (8 - 4)] =$</p>	<p>6. Evaluate this expression: $5^2 + 6 \times 2 =$</p>
<p>7. There are 18 football players going to practice. Each player has 3 red practice jerseys and 2 white practice jerseys. Use the following expression to answer the questions. $(3 + 2) \times 18$</p> <p>How many total jerseys does the team have at practice?</p>	<p>8. Explain which operation should be done first in the expression listed in question seven and explain why it should be done first.</p>

Name: _____

Unit 1: Study Guide 1: Order of Operations

9. Solve: $6 \times 4 + 9 \div 3$

10. Solve: $2 \times (10 + 2 \times 5)$

11. Archibald says that each of the following expressions have the same value. Is he correct? Explain your answer.

$3 \times (11 - 2)$

$6^2 - (3 \times 6 \div 2)$

$4 \times 9 + 4$

12. Lionel purchased eight tickets to a Falcons game online. Each ticket cost \$25. There was a one time fee of \$6 for ordering online.

$6 + 25 \times 8$

What is the total cost of the eight tickets?

13. Solve: $\{15 + [3(5 + 6)]\} =$

14. Solve: $16 \div 4 \times 12 =$

15. Solve: $(7 \times 2) - (10 \div 5) =$