

Lesson 1.1T ~ Order of Operations

Name _____ Period _____ Date _____

Evaluate each expression. Show your work.

1. $5 + 2 \cdot 4 + 3$

a. Multiply $2 \cdot 4$ in the expression above. Complete the new expression: $5 + \underline{\hspace{1cm}} + 3$

b. Complete the addition from left to right. What is the value of the expression?

Answer: _____

2. $4(-1 + 5) - 6$

a. Which part should you compute first? _____

b. Which operation (+, -, ×, ÷) should you perform next? _____

c. Which operation (+, -, ×, ÷) should you perform last? _____

d. Find the value of the expression.

Answer: _____

3. $(2 + 4)(5 - 1)$

4. $\frac{(-5 + 9)^2}{2}$

5. $5 \cdot 2 - 3 \cdot 3 + 10 \div 5$

6. $10 \div 2 \cdot 3 - 3^2$

7. $5|-8 + 3|-10$

8. $\frac{13 + 4(-2)}{5} + 6$

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Name _____ Period _____ Date _____

Evaluate each expression. Show your work.

1. $4 + 3 \cdot 6 + 1$

2. $3(-2 + 5) - 4$

3. $(4 + 3)(8 - 1)$

4. $\frac{(-3 + 9)^2}{4}$

5. $2 \cdot 3 - 2 \cdot 6 + 14 \div 7$

6. $12 \div 3 \cdot 2 - 2^3$

7. $5|-6 + 2| - 8$

8. $(4 + 1)^2 + 3(2 + 7)$

9. $\frac{18 + 6(-2)}{3} + 10$

10. $\frac{|6 + (-15)|}{9}$

11. Sunset Middle School is putting on a Spring Musical. Tickets are \$6 for adults and \$2 for students. On opening night, they sold 90 tickets to adults and 50 tickets to students.
- Write an expression to represent the total amount of money collected in ticket sales on opening night.
 - How much money was collected in ticket sales on opening night?
12. Create an expression with at least four numbers and two different operations that has a value of 12.