

Name _____

Order of Operations with Parentheses

In evaluating an expression, always perform the operation in the parentheses first. Then apply the correct order of operations. Remember the Please My Dear Aunt Sally rule.

Simplify.

$$3 \cdot (1 + 5) - 16 \div 2$$

Simplify. $30 \div (6 + 4) + 2$

1. Remove Parentheses

$$3 \cdot 6 - 16 \div 2$$

$$30 \div 10 + 2$$

2. Multiply and Divide from left to right

$$18 - 8$$

$$3 + 2$$

3. Add and Subtract from left to right.

$$10$$

$$5$$

1. $(6 + 1) \cdot (4 + 3) =$ _____ 2. $6 \cdot (8 + 2) =$ _____ 3. $(14 - 5) \div 3 =$ _____

4. $40 \div (4 \cdot 5) + 3 =$ _____ 5. $10 - (2 \cdot 3) \div 2 =$ _____ 6. $4 \cdot 8 - (3 \cdot 4) \div 6 =$ _____

7. $15 \div (2 + 3) \cdot 3 =$ _____ 8. $\frac{9}{(1 + 2)} \cdot (6 + 1) =$ _____ 9. $3(8 + 1) - 7 =$ _____

10. $60 \div (2 \cdot 3) =$ _____ 11. $3 + (8 - 5) + 4 =$ _____ 12. $12 \cdot (1 + 3) \div 2 =$ _____

13. $24 \div (3 \cdot 4) + 6 =$ _____ 14. $(6 + 2) \div 4 \cdot 10 =$ _____ 15. $15 \cdot (4 \div 2) - 10 =$ _____

16. $120 \div (9 + 3) - 9 =$ _____ 17. $100 \div (2 + 3) + 5 =$ _____ 18. $49 \div (3 + 4) - 5 =$ _____