

Unit 1: Expressions

Order of Operations Puzzle: Four 4's

Use what you know about the order of operations to insert the correct symbol in each blank to make the statement true. You may use +, -, x, ÷, or parentheses () to fill in each blank.

Prove each answer by showing your work beneath the problem.

1. $4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad = \quad 1$

2. $4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad = \quad 2$

3. $4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad = \quad 3$

4. $4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad = \quad 4$

5. $4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad = \quad 5$

6. $4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad = \quad 6$

7. $4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad = \quad 7$

8. $4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad = \quad 8$

9. $4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad \underline{\hspace{1cm}} \quad 4 \quad = \quad 9$