Order of Operations (PEMDAS)

A visual guide for solving math expressions correctly

Step	Operation	What It Means
P	Parentheses	Solve expressions inside parentheses first
E	Exponents	Evaluate powers and roots
MD	Multiplication & Division	Work left to right
AS	Addition & Subtraction	Work left to right

Worked Example

Solve the expression:

6 + 18 ÷ (3 × 3)

Step 1: Parentheses → 3 × 3 = 9
Step 2: Division → 18 ÷ 9 = 2
Step 3: Addition → 6 + 2 = 8

Common Mistakes to Avoid

• Solving addition before multiplication or division
• Forgetting to work left to right for multiplication and division
• Ignoring parentheses in complex expressions