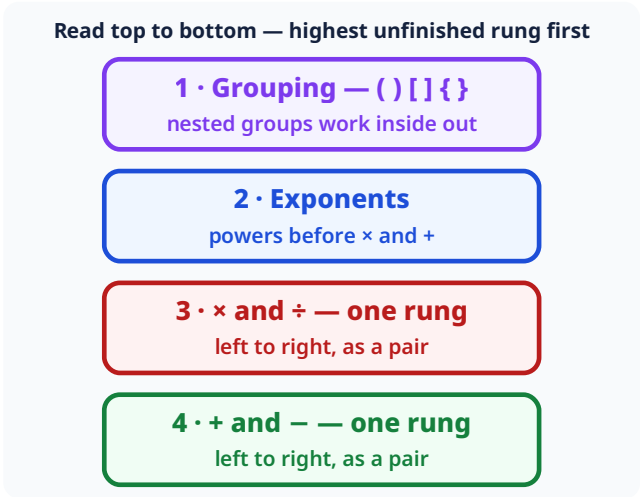
FIBO · CHEAT SHEET

Order of Operations

Unit 1 · Number Sense — the whole lesson on one page. Keep it in your binder.

🖼️ Key picture



The four rungs of PEMDAS. Same rung? Work left to right — never "× before ÷".

📌 Key points

- The four rungs, in order: Grouping (inside-out) → Exponents → ×/÷ → +/−
- × and ÷ are one rung — work them **left to right**, never "× before ÷"
- + and − are one rung — work them **left to right**, never "+ before −"
- The fraction bar is a grouping symbol — compute the whole top (and bottom) before dividing
- Nested groups resolve inside out; parentheses are free — add them any time they clarify meaning
- Watch the sign: $\mathbf{-3^2 = -9}$, but $\mathbf{(-3)^2 = 9}$

💡 **One-line pointer:** worked examples, application problems, and blank workspaces live in the companion **order-of-operations-lecture.pdf**.