



Order of Operations Introduction

Name: _____

Date: _____

Grade: Grade 4

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: $12 / 3 * 2$, do $3 * 2$ first to get $12 / 6 = 2$.

Rewrite: _____

2. Fix the sentence: $In ((2+3)*4)$, I solve $3*4$ first because multiplication beats addition.

Rewrite: _____

3. Fix the sentence: $20 / 4 * 5$ equals 1 because $4 * 5 = 20$ and $20 / 20 = 1$.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. Solve $((6+2)*3)$: inner parens give 8, so the answer is _____.

2. $12 / 3 * 2 =$ _____ when worked left to right correctly.

3. In $((10-4)/2)$, the first operation to perform is _____.

4. $24 / 6 * 1$ equals _____ using the left-to-right rule.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why must you solve $18 / 2 * 3$ from left to right?

2. Which operation in $((4+1)*6)$ do you do first, and why?

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: $For 12 / 3 * 2, do 3 * 2 first to get 12 / 6 = 2.$

Rewrite: **For $12 / 3 * 2$, work left to right: $12 / 3 = 4$, then $4 * 2 = 8$.**

2. Fix the sentence: $In ((2+3)*4), I solve 3*4 first because multiplication beats addition.$

Rewrite: **In $((2+3)*4)$, I solve the inside parens first: $2+3=5$, then $5*4=20$.**

3. Fix the sentence: $20 / 4 * 5 equals 1 because 4 * 5 = 20 and 20 / 20 = 1.$

Rewrite: **$20 / 4 * 5$ equals 25: divide first to get 5, then multiply by 5.**

Part B: Fill in the Blank

Write the missing word or number on each line.

- Solve $((6+2)*3)$: inner parens give 8, so the answer is 24.
- $12 / 3 * 2 =$ 8 when worked left to right correctly.
- In $((10-4)/2)$, the first operation to perform is subtraction.
- $24 / 6 * 1$ equals 4 using the left-to-right rule.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why must you solve $18 / 2 * 3$ from left to right?

*Because division and multiplication share the same priority, so order of appearance decides; $18 / 2 = 9$, then $9 * 3 = 27$.*

2. Which operation in $((4+1)*6)$ do you do first, and why?

*Addition inside the inner parentheses comes first because innermost groupings always rank highest, giving $5*6=30$.*
