Order of Operations

When you have different operations in a math problem, you need to solve them in a specific order.

**Step 1:** Solve the part in parenthesis ( ).

**Step 2:** Multiply and divide.

**Step 3:** Add and subtract.

1. \((9 + 3) ÷ 2 = \) ______________
2. \(6 - 1 × 4 = \) ______________
3. \((2 × 5) - 4 = \) ______________
4. \(36 - (4 + 8) ÷ 4 = \) ______________
5. \(50 - 5 = \) ______________

5. Do \((12 + 6) ÷ 2\) and \(12 + 6 ÷ 2\) have the same answer? Explain why.

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Step 1: Solve the part in parenthesis ( ).
Step 2: Multiply and divide.
Step 3: Add and subtract.

1. \((9 + 3) ÷ 2 = 6\)

2. \(6 - 1 \times 4 = 2\)

3. \((2 \times 5) - 4 = 6\)

4. \(36 -(4 + 8) ÷ 4 = 33\)

5. \(50 - 5 ×\)

5. Do \((12 + 6) ÷ 2\) and \(12 + 6 ÷ 2\) have the same answer? Explain why.

No, the answers are different. In the first problem, you add 12 + 6 first. In the second problem, you divide 6 and 2 first.