



Order of Operations (PEMDAS)

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

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

1. Fix the sentence: $(3 + 5) \times 2 = 13$

Rewrite: _____

2. Fix the sentence: $4 \times (6 - 2) = 22$

Rewrite: _____

3. Fix the sentence: $(10 + 2) \div 4 = 10.5$

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. $(4 + 6) \times 3 =$ _____ .

2. $5 \times (8 - 3) =$ _____ .

3. $(9 + 1) \div 2 =$ _____ .

4. $(7 - 4) \times (2 + 3) =$ _____ .

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Compare $3 \times 4 + 2$ and $3 \times (4 + 2)$. Are they equal? Explain.

2. Where would you place parentheses in $2 + 3 \times 4$ to make it equal 20?

Answer Key · Order of Operations (PEMDAS) · Grade: Grade 5

Part A: Fix the Sentence

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

1. Fix the sentence: $(3 + 5) \times 2 = 13$

Rewrite: $(3 + 5) \times 2 = 16$

2. Fix the sentence: $4 \times (6 - 2) = 22$

Rewrite: $4 \times (6 - 2) = 16$

3. Fix the sentence: $(10 + 2) \div 4 = 10.5$

Rewrite: $(10 + 2) \div 4 = 3$

Part B: Fill in the Blank

Write the missing word or number on each line.

1. $(4 + 6) \times 3 = \underline{30}$.

2. $5 \times (8 - 3) = \underline{25}$.

3. $(9 + 1) \div 2 = \underline{5}$.

4. $(7 - 4) \times (2 + 3) = \underline{15}$.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Compare $3 \times 4 + 2$ and $3 \times (4 + 2)$. Are they equal? Explain.

$3 \times 4 + 2 = 14$ because you multiply first: $12 + 2 = 14$. But $3 \times (4 + 2) = 18$ because parentheses come first: $3 \times 6 = 18$. They are not equal.

2. Where would you place parentheses in $2 + 3 \times 4$ to make it equal 20?

Place parentheses around $2 + 3$ to get $(2 + 3) \times 4 = 5 \times 4 = 20$.
