



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: $5 + 6 \times 3 = 33$

Rewrite: _____

2. Fix the sentence: $16 - 6 \div 2 = 5$

Rewrite: _____

3. Fix the sentence: $9 \times 2 + 4 \times 3 = 78$

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. In PEMDAS, the M stands for _____.

2. $8 + 5 \times 4 =$ _____.

3. $30 \div 5 + 7 =$ _____.

4. $2 \times 9 - 3 \times 4 =$ _____.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why does $12 - 4 \times 2$ equal 4 and not 16?

2. In PEMDAS, multiplication and division are done left to right. Show how to solve $24 \div 4 \times 3$.

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: $5 + 6 \times 3 = 33$

Rewrite: $5 + 6 \times 3 = 23$

2. Fix the sentence: $16 - 6 \div 2 = 5$

Rewrite: $16 - 6 \div 2 = 13$

3. Fix the sentence: $9 \times 2 + 4 \times 3 = 78$

Rewrite: $9 \times 2 + 4 \times 3 = 30$

Part B: Fill in the Blank

Write the missing word or number on each line.

1. In PEMDAS, the M stands for Multiplication.

2. $8 + 5 \times 4 = 28$.

3. $30 \div 5 + 7 = 13$.

4. $2 \times 9 - 3 \times 4 = 6$.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why does $12 - 4 \times 2$ equal 4 and not 16?

You must multiply before subtracting. $4 \times 2 = 8$, then $12 - 8 = 4$. Subtracting first gives the wrong answer of 16.

2. In PEMDAS, multiplication and division are done left to right. Show how to solve $24 \div 4 \times 3$.

Work left to right: $24 \div 4 = 6$, then $6 \times 3 = 18$. You do not multiply first because division comes first reading left to right.
