O Level Maths

Topic: Order of Operations (BIDMAS)

Instructions

Answer all questions. Show working where necessary. Use the BIDMAS rule to simplify the expressions.

Practice Problems

1. Simplify the following expression using BIDMAS: $6 + 3 \times (4 + 2)$

2. Simplify: $12 \div 3 \times 2$

3. Simplify: $8 + 2 \times (3 + 5)$

4. Simplify: $(5 + 3) \times 4 - 6$

5. Simplify the following using BIDMAS: $9 - 4 \times 2 + 6$

6. Simplify: $3 + 5 \times (6 - 4)$

7. Simplify: $(12 + 8) \div 4 \times 3$

8. Solve the following: $2 \times (7 + 5) \div 2 - 4$

Word Problems

1. A teacher gives a test with 4 sections. Each section has 5 questions. If each question is worth 2 points, how many points are there in total for the test? Solve using BIDMAS.

2. A recipe requires 3 cups of flour, 2 cups of sugar, and 4 cups of milk. The total number of ingredients required for 3 batches is $(3 + 2 + 4) \times 3$. Calculate the total ingredients.

Multiple-Choice Questions

1. Which of the following is the correct result of $3 + 4 \times 2 - 6 \div 3$?

    A. 10

    B. 8

    C. 7

    D. 9

2. Simplify $15 \div 3 \times (2 + 5)$:

    A. 35

    B. 25

    C. 20

    D. 45

3. What is the result of $(6 + 2) \times (3 + 1)$?

    A. 32

    B. 16

    C. 28

    D. 24

4. Simplify the expression $5 \times (2 + 3) \div 5$:

    A. 3

    B. 5

    C. 4

    D. 2

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