

Name: \_\_\_\_\_

## Grade 7 BEDMAS Quiz

/16

Instructions:

1. **Solve each question** carefully, following the correct order of operations (**BEDMAS**: Brackets, Exponents, Division/Multiplication, Addition/Subtraction).
2. **Show all your work for full marks.**
3. Double-check your answers.

Level	Descriptor.	Name:
Excellent (4)	Demonstrates precise calculations, clear reasoning, organized work, and accurately identifies and corrects errors in all aspects of the quiz.	
Proficient (3)	Demonstrates accurate calculations, logical reasoning with minor inconsistencies, clear work, and mostly accurate error identification and correction.	
Developing (2)	Shows some correct solutions, partial reasoning with significant errors, partially clear work, and limited error identification or correction.	
Emerging (1)	Shows little to no correct solutions, reasoning, clear work, or error identification and correction.	

### Part A: 3-Step Questions (1 mark each)

1.  $9 + (14 \div 2) \times 3$

3.  $7 \times (5 + 1) - 12$

2.  $(20 - 8) \times 3 + 6$

4.  $15 \div 3 + (10 - 4) \times 2$

### Part B: 4-Step Questions (1 mark each)

5.  $(24 \div 6 + 3) \times 4 - 8$

6.  $12 + (9 \times 2 - 5) \div 2$

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**Part C: 6-Step Questions (1 mark each)**

7.  $(10 + 16 \div 4) \times 2 - (7 + 3)$

8.  $60 - [(15 \div 3) + (8 \times 2)] + 10$

**Part D: 3-Step Questions with Decimals (1 mark each)**

9.  $8.4 + (4.5 \times 1.2) - 5.7$

10.  $(13.8 - 6.4) \div 2 + 4.2$

**Part E: 6-Step Questions with Decimals (1 mark each)**

11.  $(9.2 \div 2.3) + 5.6 - 1.4 \times 3.2 + 6$

12.  $6.5 \times (3.1 + 1.9) - 4.2 + 2.3 \times 8.1$

**Part F: Error Identification and Correction (2 marks each)**

13.  $16 \div 2 \times 4 = 32$

What is the error? Explain:

\_\_\_\_\_

14.  $(7 + 5) \div 2 - 3 = 6$

What is the error? Explain:

\_\_\_\_\_

# BEDMAS Practice Test

Name: \_\_\_\_\_

Key.

## Answer Key

Question 1: 24 ✓

Question 2: 30 ✓

Question 3: 22 ✓

Question 4: 17.

Question 5: 15

Question 6: -18.

Question 7: 35

Question 8: 42

Question 9: 9.8.

Question 10: 7.45

Question 11: 4.36

Question 12: 38.66 ✓

Question 14: Error:

The order of operations (BEDMAS) was not followed. Multiplication should be performed before addition.

**Correct Solution:**

$$6+2\times 4$$

$$=6+8$$

$$=14$$

Question 15: Error:

The subtraction was performed before the multiplication. Parentheses and multiplication should have been prioritized.

**Correct Solution:**

$$(5+3)\times 2-4$$

$$=8\times 2+4$$

$$=16+4$$

$$=20$$

wrong.

Correct answers.

$$(5+3)\times 2+4$$

$$=8\times 2+4$$

$$=16+4$$

$$=20$$

