GEMDAS Worksheet for Grade 6

Name: _____ Date: _____

Instructions: Solve each expression using GEMDAS. Show all your working steps.

Part A: Basic GEMDAS

1. $8 + 4 \times 3 =$ _____
2. $24 \div 6 + 7 =$ _____
3. $15 - 2 \times 4 =$ _____
4. $5^2 + 6 =$ _____
5. $36 \div 4 \times 2 =$ _____
6. $18 + 12 \div 3 =$ _____
7. $7 \times 3 - 8 =$ _____
8. $40 - 6 \times 5 =$ _____

Part B: Grouping Symbols

9. $(8 + 4) \times 2 =$ _____
10. $30 \div (3 + 2) =$ _____
11. $5 \times (9 - 4) + 3 =$ _____
12. $(18 - 6) \div 3 + 7 =$ _____
13. $4 \times (6 + 2) - 10 =$ _____
14. $48 \div (4 \times 3) =$ _____
15. $3 + (5 + 2)^2 =$ _____

Part C: Exponents and Mixed Operations

16. $2^3 + 4 \times 5 =$ _____
17. $30 - 3^2 \times 2 =$ _____
18. $6^2 \div 4 + 5 =$ _____
19. $50 \div 5 + 2^3 =$ _____
20. $4 \times 3^2 - 12 \div 3 =$ _____
21. $(10 + 2)^2 \div 6 =$ _____
22. $7 + 24 \div (2 \times 3) =$ _____
23. $5^2 - (8 + 2) \div 2 =$ _____
24. $60 \div (2 + 3) + 4^2 =$ _____
25. $3 \times (4^2 - 6) + 8 =$ _____

Part D: Challenge Questions

26. $36 \div 3 \times 2 - 5 =$ _____
27. $100 - [5 \times (6 + 4)] =$ _____
28. $2^4 + 3 \times (12 - 8) =$ _____
29. $[24 \div (2 + 4)] \times 5 =$ _____
30. $6^2 \div (3 \times 2) + 7 =$ _____

Remember GEMDAS:

- G – Grouping symbols
- E – Exponents
- MD – Multiplication and Division, from left to right
- AS – Addition and Subtraction, from left to right