

### PEMDAS Problems worksheet (with brackets)

**Step 1: Parenthesis ( ): Solve all problems in parenthesis FIRST.**

**Step 2: Exponents:** Next solve any numbers that have exponents.

**Step 3: Multiply or Divide:** Then solve any multiplication or division problems (going from left to right).

**Step 4: Add or Subtract:** Finally solve any addition or subtraction problems (going from left to right).

**Solve the following using PEMDAS:**

1.  $(67 - 18) \div 7 \times 3$

2.  $(7 \times 8 - 4) \div (6 - 2)$

3.  $40 \times 6 \div (9 + 21)$

4.  $(17 - 6 \div 2) \times (12 + 11)$

5.  $44 \times 5 \div (9 + 11)$

6.  $(18 + 15 \div 5) \div (14 - 7)$

7.  $10 \div 5 + 10 - 9 \times 11$

8.  $10 \div 5 + 10 - 9 \times 11$

9.  $(20 + 80 \div 2 \times 8) \div [(54 \div 9 + 14) \div 4]$

10.  $5 \times (54 \div 6 - 3) + 6 \times 2 - 60$

11.  $9 \div 3 \times \{2 \times [(16 \times 4) \div 8]\}$

12.  $(8 \times 8) \div 2 - 9$

13.  $4 + (5 - 5) \div 43$

14.  $8 + (10 \times 8 \div 4)$

15.  $(64 \div 8 - 3) + 7$

16.  $48 \div (4 + 4)$

17.  $(5 + 16) \div 7 - 2$

18.  $(6 + 25 - 7) \div 6$

19.  $20 \div (4 - (10 - 8))$

20.  $(6 - 4) \times 49 \div 7$

21.  $(2 + 6 \times 2 + 2 - 4) \times 2$

22.  $9 - 7 \div 1 = 2$

23.  $2 - 5 \div 1 + 9$

24.  $5 \times 9 \div 5 + 7 + 5$

25.  $(5 + 5) \div 5$

26.  $50 - (1 + 4) \times 4$

27.  $35 \div 7 \times (7 - 4) + 2$

28.  $(12 \div 3) + 3 + (16 - 7) \times 4$

29.  $(18 \div 3) + 6 + (14 - 8) \times 5$

30.  $8 - 4 + 5 + 6 \times (60 \div 6)$

Ans. (1) 21 (2) 13 (3) 8 (4) 322 (5) 11 (6) 3 (7) 40 (8) 70 (9) 68 (10) -18

(11) 48 (12) 23 (13) 0 (14) 28 (15) 12 (16) 6 (17) 1 (18) 4 (19) 10 (20) 14

(21) 24 (22) 2 (23) 6 (24) 21 (25) 2 (26) 30 (27) 17 (28) 43 (29) 42 (30) 69