

Order of Operations -- PEMDAS Practice Worksheets

Remember, PEMDAS (Please Excuse My Dear Aunt Sally) stands for:

Parentheses
Exponents
Multiplication
Division
Addition
Subtraction

1. $14 + 18 \div 2 \times 18 - 7$

7. $10 - 9 \times 24 \div 8 \times 6$

2. $15 \times 18 + 12 \div 3 + 9$

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

3. $8 \times 4 + 9 - 9 + 18$

9. $3 \times 19 \times 14 + 18 \div 2$

4. $11 \times 11 - 6 \times 17 + 4$

10. $10 \times 12 - 14 \div 2 + 15$

5. $2 - 1 + 5 \times 4 \times 11$

11. $14 \div 2 - 1 + 3$

6. $16 \times 7 \times 15 + 11 + 17$

12. $9 + 15 \div 5 \times 13$

13. $12 \div 3 \times 12 + 10$

14. $16 \times 15 \div 5 + 12$

15. $2 \times 10 + 10 - 8$

16. $24 \div 4 + 14 \times 2$

17. $11 \times 10 - 12 \div 3$

18. $8 \div 4 \times 2 + 18$

19. $18 \div 6 + 4 \times 15$

20. $2 - 20 \div 5 \times 3$

21. $(6 + 4)^2 + (11 + 10 \div 2)$

22. $(11 + 42 - 5) \div (11 - 4)$

23. $(17 - 3) \times (14 - 6) - 22$

24. $(9 + 33 - 6) \div 6 - 3^2$

25. $(10 + 43 - 5) \div 6 + 5^2$

26. $2 \times (9 \times 5 + 3^2) + 4$

27. $(6 + 3)^2 + (9 - 10 \div 5)$

28. $(10 + 59 - 3^2) \div (24 - 4)$

29. $4 \times (12 \times 6 - 4^2) + 9$

30. $(19 - 8) \times (10 + 4) + 8^2$

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1. $14 + 18 \div 2 \times 18 - 7$

$$14 + 9 \times 18 - 7$$
$$14 + 162 - 7 = 169$$

2. $15 \times 18 + 12 \div 3 + 9$

$$270 + 4 + 9 = 283$$

3. $8 \times 4 + 9 - 9 + 18$

$$32 + 9 - 9 + 18 = 50$$

4. $11 \times 11 - 6 \times 17 + 4$

$$121 - 102 + 4 = 23$$

5. $2 - 1 + 5 \times 4 \times 11$

$$2 - 1 + 20 \times 11$$
$$2 - 1 + 220 = 221$$

6. $16 \times 7 \times 15 + 11 + 17$

$$112 \times 15 + 11 + 17$$
$$1680 + 11 + 17 = 1708$$

7. $10 - 9 \times 24 \div 8 \times 6$

$$10 - 216 \div 8 \times 6$$
$$10 - 27 \times 6$$
$$10 - 162 = -152$$

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

$$2 + 10 - 99$$
$$12 - 99 = -87$$

9. $3 \times 19 \times 14 + 18 \div 2$

$$57 \times 14 + 18 \div 2$$
$$798 + 9 = 807$$

10. $10 \times 12 - 14 \div 2 + 15$

$$120 - 7 + 15 = 128$$

11. $14 \div 2 - 1 + 3$

$$7 - 1 + 3 = 9$$

12. $9 + 15 \div 5 \times 13$

$$9 + 3 \times 13$$
$$9 + 39 = 48$$

13. $12 \div 3 \times 12 + 10$
 $4 \times 12 + 10$
 $48 + 10 = 58$

14. $16 \times 15 \div 5 + 12$
 $240 \div 5 + 12$
 $48 + 12 = 60$

15. $2 \times 10 + 10 - 8$
 $20 + 10 - 8 = 22$

16. $24 \div 4 + 14 \times 2$
 $6 + 28 = 34$

17. $11 \times 10 - 12 \div 3$
 110
 ~~120~~ $- 4 = 106$

18. $8 \div 4 \times 2 + 18$
 $2 \times 2 + 18$
 $4 + 18 = 22$

19. $18 \div 6 + 4 \times 15$
 $3 + 60 = 63$

20. $2 - 20 \div 5 \times 3$
 $2 - 4 \times 3$
 $2 - 12 = -10$

21. $(6 + 4)^2 + (11 + 10 \div 2)$
 $(10)^2 + (11 + 5)$
 $100 + 16 = 116$

22. $(11 + 42 - 5) \div (11 - 4)$
 $48 \div 7 = 6\frac{6}{7}$

23. $(17 - 3) \times (14 - 6) - 22$
 $14 \times 8 - 22$
 $112 - 22 = 90$

24. $(9 + 33 - 6) \div 6 - 3^2$
 $36 \div 6 - 9$
 $6 - 9 = -3$

25. $(10 + 43 - 5) \div 6 + 5^2$
 $48 \div 6 + 25$
 $8 + 25 = 33$

26. $2 \times (9 \times 5 + 3^2) + 4$
 $2 \times 54 + 4$
 $108 + 4 = 112$

27. $(6 + 3)^2 + (9 - 10 \div 5)$
 $9^2 + (9 - 2)$
 $81 + 7 = 88$

28. $(10 + 59 - 3^2) \div (24 - 4)$
 $69 - 9$
 $60 \div 6 = 10$

29. $4 \times (12 \times 6 - 4^2) + 9$
 $4 \times (72 - 16) + 9$
 $4 \times 56 + 9 = 233$

30. $(19 - 8) \times (10 + 4) + 8^2$
 $11 \times 14 + 64$
 $154 + 64 = 218$