

Simplify.

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|--------------------------------|------------|--------------------------------|-------|
| 1. $0.5 + 0.5$ | <u>1.0</u> | 2. $0.8 + 0.8$ | _____ |
| 3. $1571 - 1570$ | _____ | 4. $1736 - 1544$ | _____ |
| 5. $1000 \div 1000$ | _____ | 6. $544 \div 544$ | _____ |
| 7. $1 \cdot 1 \cdot 1 \cdot 1$ | _____ | 8. $0 \cdot 0 \cdot 0 \cdot 0$ | _____ |
| 9. $3 - 2$ | _____ | 10. $9 - 5$ | _____ |
| 11. $1 + 0 + 0$ | _____ | 12. $0 + 1 + 1$ | _____ |
| 13. $4 + 4 + 4 + 4$ | _____ | 14. $6 + 6 + 6 + 6$ | _____ |
| 15. $12 + 46$ | _____ | 16. $29 + 43$ | _____ |

Tell whether each statement is true or false.

- | | | | |
|-----------------------------|--------------------------------------|-----------------------------|-----|
| 17. $3 = 5 + 2$ | T <input checked="" type="radio"/> F | 18. $25(6) = 6(25)$ | T F |
| 19. $5 + 6 = 12 - 1$ | T F | 20. $14 + 13 = 7 + 13 + 7$ | T F |
| 21. $15 + 16 = 16 + 15$ | T F | 22. $18 + 18 = 36(2)$ | T F |
| 23. $12(12) = 3(48)$ | T F | 24. $200 - 100 = 100 - 200$ | T F |
| 25. $12 \div 3 = 36 \div 6$ | T F | 26. $2(5)(5) = 5(5)(2)$ | T F |
| 27. $25 + 25 = 2(25)$ | T F | 28. $25 \div 5 = 75 \div 3$ | T F |
| 29. $19 - 12 = 12 - 19$ | T F | 30. $82 \div 2 = 84 \div 4$ | T F |
| 31. $5(6) = 6(5)$ | T F | 32. $25 + 32 = 2(28)$ | T F |

Simplify.

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|---|-----------|---|-------|
| 1. $2 \cdot 2 \cdot 2 \cdot 2$ | <u>16</u> | 2. $5 \cdot 5 \cdot 5 \cdot 5$ | _____ |
| 3. $13 \cdot 17$ | _____ | 4. $25 \cdot 32$ | _____ |
| 5. $169 \div 13$ | _____ | 6. $225 \div 15$ | _____ |
| 7. $3 + 4 + 5 + 6$ | _____ | 8. $2 + 4 + 6 + 8$ | _____ |
| 9. $10(20)(30)$ | _____ | 10. $2(4)(8)(16)$ | _____ |
| 11. $12 + 14 - 7 - 6$ | _____ | 12. $8 + 10 - 5 - 4$ | _____ |
| 13. $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$ | _____ | 14. $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$ | _____ |
| 15. $1011 - 997$ | _____ | 16. $1436 - 285$ | _____ |

Tell whether each statement is true or false.

- | | | | |
|-----------------------------|--|-----------------------------|---|
| 17. $8 = 5 + 3$ | <input checked="" type="radio"/> T <input type="radio"/> F | 18. $23(2) = 3(22)$ | <input type="radio"/> T <input type="radio"/> F |
| 19. $8 + 15 = 30 - 7$ | <input type="radio"/> T <input type="radio"/> F | 20. $15 + 12 = 6 + 15 + 6$ | <input type="radio"/> T <input type="radio"/> F |
| 21. $2 + 4 + 6 + 8 = 20$ | <input type="radio"/> T <input type="radio"/> F | 22. $5 + 10 + 15 + 20 = 60$ | <input type="radio"/> T <input type="radio"/> F |
| 23. $2(3)(4)(5) = 240$ | <input type="radio"/> T <input type="radio"/> F | 24. $5(2)(3)(6) = 180$ | <input type="radio"/> T <input type="radio"/> F |
| 25. $13 - 7 = 7 - 13$ | <input type="radio"/> T <input type="radio"/> F | 26. $45 - 10 = 10 - 45$ | <input type="radio"/> T <input type="radio"/> F |
| 27. $26 + 43 = 43 + 26$ | <input type="radio"/> T <input type="radio"/> F | 28. $15 + 29 = 29 + 15$ | <input type="radio"/> T <input type="radio"/> F |
| 29. $12 \div 6 = 6 \div 12$ | <input type="radio"/> T <input type="radio"/> F | 30. $35 \div 7 = 7 \div 35$ | <input type="radio"/> T <input type="radio"/> F |
| 31. $13(25) = 25(13)$ | <input type="radio"/> T <input type="radio"/> F | 32. $43(16) = 16(43)$ | <input type="radio"/> T <input type="radio"/> F |

Tell how many terms are in each expression, then evaluate the expression.

1. $6(3) + 8(2)$

2 34

2. $4(2)(5) - 13(2)$

3. $15 + 4(3) + 8$

4. $2(2)(2)(2) + 3(3)$

5. $25 \div 5 + 28 \div 4$

6. $65 - 14(3) + 8$

7. $6 + 8(2) - 15 \div 3$

8. $21 \div 3 + 8(2) - 15$

Simplify each term and then combine terms.

9. $5(2) + 3(7) + 4$

35

10. $35 + 4(3) - 24 \div 8$

11. $7 + 9(3) + 15 \div 3$

12. $17 + 8(2) + 13$

13. $35 + 7(3) - 21 \div 7$

14. $49 - 16(2) + 10$

15. $3(7)(5) - 16(3)$

16. $12 + 13(5) + 27 \div 9$

17. $38 \div 2 + 56 \div 7$

18. $56 \div 4 + 17(2) - 37$

19. $3(3)(3) + 5(5)$

20. $35 \div 7 + 18 \div 9$

Tell how many factors are in each expression and evaluate.

21. $2(3)(7)$

3 42

22. $17(6)(2)(4)$

23. $5(5)(9)13$

24. $6(7)(15)$

25. $11(17)$

26. $12(92)(6)$

27. $3(17)(29)(31)$

28. $59(2)$

29. $43(5)$

30. $12(6)(9)$

Tell how many terms are in each expression, then evaluate the expression.

- | | | | | |
|----------------------------|--------------------|----------------------------|-------|-------|
| 1. $8(2) + 9(5)$ | <u>2</u> <u>61</u> | 2. $6(3)(2) - 12(3)$ | _____ | _____ |
| 3. $17 + 5(7) + 2$ | _____ | 4. $3(3)(3)(3) + 4(4)$ | _____ | _____ |
| 5. $35 \div 5 + 28 \div 4$ | _____ | 6. $54 - 11(3) + 5$ | _____ | _____ |
| 7. $9 + 7(3) - 18 \div 6$ | _____ | 8. $36 \div 6 + 9(2) - 13$ | _____ | _____ |

Simplify each term and then combine terms.

- | | | | |
|-----------------------------|-----------|------------------------------|-------|
| 9. $7(4) + 2(8) + 9$ | <u>53</u> | 10. $26 + 3(7) - 33 \div 3$ | _____ |
| 11. $9 + 7(6) + 24 \div 3$ | _____ | 12. $21 + 5(7) + 8$ | _____ |
| 13. $46 + 5(4) - 40 \div 5$ | _____ | 14. $63 - 18(2) + 12$ | _____ |
| 15. $2(9)(4) - 18(3)$ | _____ | 16. $14 + 15(3) + 30 \div 6$ | _____ |
| 17. $42 \div 2 + 81 \div 9$ | _____ | 18. $56 \div 8 + 14(3) - 28$ | _____ |
| 19. $2(2)(2) + 7(7)$ | _____ | 20. $39 \div 3 + 35 \div 7$ | _____ |

Tell how many factors are in each expression and evaluate.

- | | | | | |
|------------------|---------------------|--------------------|-------|-------|
| 21. $5(2)(9)(3)$ | <u>4</u> <u>270</u> | 22. $13(5)(6)$ | _____ | _____ |
| 23. $5(5)(9)$ | _____ | 24. $6(7)(12)(2)$ | _____ | _____ |
| 25. $21(15)$ | _____ | 26. $15(31)(8)(6)$ | _____ | _____ |
| 27. $4(18)(14)$ | _____ | 28. $51(5)(16)$ | _____ | _____ |
| 29. $23(8)(11)$ | _____ | 30. $32(5)(2)$ | _____ | _____ |