

**Practice 1-7****The Distributive Property**

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 Simplify each expression.

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|---------------------------------|--------------------------------|--------------------------------|
| 1. $2(x + 6)$                   | 2. $-5(8 - b)$                 | 3. $4(-x + 7)$                 |
| 4. $(5c - 7)(-3)$               | 5. $-2.5(3a + 5)$              | 6. $-(3k - 12)$                |
| 7. $-\frac{3}{4}(12 - 16d)$     | 8. $\frac{2}{3}(6h - 1)$       | 9. $(-3.2x + 2.1)(-6)$         |
| 10. $3.5(3x - 8)$               | 11. $4(x + 7)$                 | 12. $-2.5(2a - 4)$             |
| 13. $\frac{2}{3}(12 - 15d)$     | 14. $-2(k - 11)$               | 15. $-\frac{1}{3}(6h + 15)$    |
| 16. $(2c - 8)(-4)$              | 17. $-(4 - 2b)$                | 18. $2(3x - 9)$                |
| 19. $4(2r + 8)$                 | 20. $-5(b - 5)$                | 21. $3(f + 2)$                 |
| 22. $6h + 5(h - 5)$             | 23. $-5d + 3(2d - 7)$          | 24. $7 + 2(4x - 3)$            |
| 25. $2(3h + 2) - 4h$            | 26. $2(4 + y)$                 | 27. $\frac{1}{2}(2n - 4) - 2n$ |
| 28. $-w + 4(w + 3)$             | 29. $0.4(3d - 5)$              | 30. $-4d + 2(3 + d)$           |
| 31. $2x + \frac{3}{4}(4x + 16)$ | 32. $2(3a + 2)$                | 33. $5(t - 3) - 2t$            |
| 34. $5(b + 4) - 6b$             | 35. $\frac{2}{5}(5k + 35) - 8$ | 36. $0.4(2s + 4)$              |
| 37. $\frac{2}{3}(9b - 27)$      | 38. $\frac{1}{2}(12n - 8)$     | 39. $0.5(2x - 4)$              |
| 40. $2(a - 4) + 15$             | 41. $13 + 2(5c - 2)$           | 42. $7 + 2(\frac{1}{5}a - 3)$  |
| 43. $5(3x + 12)$                | 44. $2(m + 1)$                 | 45. $4(2a + 2) - 17$           |
| 46. $-4x + 3(2x - 5)$           | 47. $3(t - 12)$                | 48. $-6 - 3(2k + 4)$           |

**Write an expression for each phrase.**

49. 5 times the quantity  $x$  plus 6
50. twice the quantity  $y$  minus 8
51. the product of  $-15$  and the quantity  $x$  minus 5
52. 32 divided by the quantity  $y$  plus 12
53.  $-8$  times the quantity 4 decreased by  $w$
54. the quantity  $x$  plus 9, times the quantity 7 minus  $x$