

Distributive property — ANSWER KEY

Solve. Distribute first, then collect like terms.

1. $3(n + 8) + 4 = 10$

$n = \underline{\quad -6 \quad}$

2. $4(m + 9) = 6m + 52$

$m = \underline{\quad -8 \quad}$

3. $2(y - 2) = 6y + 12$

$y = \underline{\quad -4 \quad}$

4. $2(k + 6) = -5k + 26$

$k = \underline{\quad 2 \quad}$

5. $4(n - 5) - 15 = -11$

$n = \underline{\quad 6 \quad}$

6. $6(t - 7) = 9t - 27$

$t = \underline{\quad -5 \quad}$

7. $-2(x - 9) + 8 = 30$

$x = \underline{\quad -2 \quad}$

8. $5(m + 4) = 9m + 12$

$m = \underline{\quad 2 \quad}$

9. $-4(m + 2) - 9 = 11$

$m = \underline{\quad -7 \quad}$

10. $3(k + 2) = 9k - 36$

$k = \underline{\quad 7 \quad}$

11. $4(k - 4) = 9k - 16$

$k = \underline{\quad 0 \quad}$

12. $-5(k - 3) = 9k - 125$

$k = \underline{\quad 10 \quad}$