

1-5 Distributive Property and Simplifying Expressions ANSWERS

Name Key

Use the distributive property where applicable and simplify each expression.
Put answers in the blank to the left of the question.

$3x + 15$ 1. $3(x + 5)$

$8x + 20$ 2. $4(2x + 5)$

$12x - 8$ 3. $2(6x - 4)$

$4x + 15$ 4. $2(x + 5) + 2x + 5$

$13x + 4$ 5. $3(3x + 2) + 4x - 2$

$33x + 33$ 6. $6(4x + 5) + 3(3x + 1)$

$10x + 2$ 7. $2(2x - 2) + 4x + 4 + 2x + 2$

$17x + 27$ 8. $3(x + 5) + 2(x + 3) + 3(4x + 2)$

$13x - 5$ 9. $3(x + 5) + 5(2x - 4)$

$6x + 12$ 10. $3(x + 5) + 3(x - 1)$

$9x + 10$ 11. $4x + 3x + 2 + 2 + x + x + 6$

$7x + 4y + 9c$ 12. $5x + 2y + 4c + 2y + 5c + 2x$

$11x + 23y$ 13. $3(x + y) + 4(2x + 5y)$

0 14. $2(5x + 3y) + 3(3x + 2y) - 19x - 12y$

$21x + 13$ 15. $3(5x + 2) + 3(x - 1) + 3x + 10$