

Simplifying expressions

Grade 5 Pre-Algebra Worksheet

Rewrite each expression.

1. $8y + 5 - 5y + 3 + y + 9$ _____

11. $y + 2 + y$ _____

2. $2 + 2 + 8x - 4x + 4 + 5x$ _____

12. $2 + 8y + 4 + 3y$ _____

3. $6 + 4x - 3 + 7x + 7 + 6x$ _____

13. $4x + 8 + 4x + 8 - 7x + 3$ _____

4. $7x + 3 + 8 - 5x + 5x$ _____

14. $15y - 7y + 7 + 5$ _____

5. $5 + y - 5 + 3y$ _____

15. $1 + 4y + 8 + 6y - 2 + 2y$ _____

6. $9 + 9y + 3 + 5y - 8 + 5y$ _____

16. $4y + 9 + 8y$ _____

7. $2x + 9x + 9 + 1$ _____

17. $8x + x$ _____

8. $8x + 6 - 7x + 7 + 3x + 2$ _____

18. $2x + 4x - 4x + 3 + 1$ _____

9. $7x - 6x$ _____

19. $6y + 5 + y$ _____

10. $7x + 6x$ _____

20. $x + 4 + 3x$ _____

Answers

$$1. 8y + 5 - 5y + 3 + y + 9 = \underline{4y + 17}$$

$$2. 2 + 2 + 8x - 4x + 4 + 5x = \underline{9x + 8}$$

$$3. 6 + 4x - 3 + 7x + 7 + 6x = \underline{17x + 10}$$

$$4. 7x + 3 + 8 - 5x + 5x = \underline{7x + 11}$$

$$5. 5 + y - 5 + 3y = \underline{4y}$$

$$6. 9 + 9y + 3 + 5y - 8 + 5y = \underline{19y + 4}$$

$$7. 2x + 9x + 9 + 1 = \underline{11x + 10}$$

$$8. 8x + 6 - 7x + 7 + 3x + 2 = \underline{4x + 15}$$

$$9. 7x - 6x = \underline{x}$$

$$10. 7x + 6x = \underline{13x}$$

$$11. y + 2 + y = \underline{2y + 2}$$

$$12. 2 + 8y + 4 + 3y = \underline{11y + 6}$$

$$13. 4x + 8 + 4x + 8 - 7x + 3 = \underline{x + 19}$$

$$14. 15y - 7y + 7 + 5 = \underline{8y + 12}$$

$$15. 1 + 4y + 8 + 6y - 2 + 2y = \underline{12y + 7}$$

$$16. 4y + 9 + 8y = \underline{12y + 9}$$

$$17. 8x + x = \underline{9x}$$

$$18. 2x + 4x - 4x + 3 + 1 = \underline{2x + 4}$$

$$19. 6y + 5 + y = \underline{7y + 5}$$

$$20. x + 4 + 3x = \underline{4x + 4}$$