

Algebra: 2 sided equations

Grade 5 Pre-Algebra Worksheet

Solve for the variable and show your work.

1) $15x + 17 = 5 + 16x$

7) $11 + 16y + 12 = 108 - y$

2) $18y + 17 = 357 - 2y$

8) $18 + 3x + 19 = 57 + x$

3) $10 + 7x + 3 = 77 - x$

9) $43 + y = 20 + 9y + 7$

4) $181 + 9y = 18y + 19$

10) $100 + x = 12 + 16x + 13$

5) $11 + 3x = 2x + 13$

11) $2x + 213 = 14x + 9$

6) $11z + 17 = 152 + 2z$

12) $47 - 2z = 15 + 6z$

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Solve for the variable and show your work.

1) $15x + 17 = 5 + 16x$ $x = 12$

7) $11 + 16y + 12 = 108 - y$ $y = 5$

2) $18y + 17 = 357 - 2y$ $y = 17$

8) $18 + 3x + 19 = 57 + x$ $x = 10$

3) $10 + 7x + 3 = 77 - x$ $x = 8$

9) $43 + y = 20 + 9y + 7$ $y = 2$

4) $181 + 9y = 18y + 19$ $y = 18$

10) $100 + x = 12 + 16x + 13$ $x = 5$

5) $11 + 3x = 2x + 13$ $x = 2$

11) $2x + 213 = 14x + 9$ $x = 17$

6) $11z + 17 = 152 + 2z$ $z = 15$

12) $47 - 2z = 15 + 6z$ $z = 4$