



Algebra: 2 sided equations

Grade 5 Pre-Algebra Worksheet

Solve for the variable and show your work.

1) $3 + 6y = 22 + 5y$

7) $6y + 47 = 15y + 20$

2) $79 - 7z = 9z + 15$

8) $7 + 20y = 577 - 18y$

3) $6y + 159 = 16 + 19y$

9) $20 + 16z + 7 = 135 + z + 12$

4) $10 + 11y + 19 = 99 + y$

10) $1 + 9z + 4 = 175 - z$

5) $61 + x = 18 + 8x + 8$

11) $5 + 7x + 5 = 103 - x + 19$

6) $16y + 78 = 20y + 2$

12) $20z + 5 = 19z + 17$



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Solve for the variable and show your work.

1) $3 + 6y = 22 + 5y$ $y = 19$

7) $6y + 47 = 15y + 20$ $y = 3$

2) $79 - 7z = 9z + 15$ $z = 4$

8) $7 + 20y = 577 - 18y$ $y = 15$

3) $6y + 159 = 16 + 19y$ $y = 11$

9) $20 + 16z + 7 = 135 + z + 12$ $z = 8$

4) $10 + 11y + 19 = 99 + y$ $y = 7$

10) $1 + 9z + 4 = 175 - z$ $z = 17$

5) $61 + x = 18 + 8x + 8$ $x = 5$

11) $5 + 7x + 5 = 103 - x + 19$ $x = 14$

6) $16y + 78 = 20y + 2$ $y = 19$

12) $20z + 5 = 19z + 17$ $z = 12$