



Name:

Section:

Date:

Teacher:

Algebra (Two Step Equation)

Solve the equations and find value of the variable.

5th
GRADE

1. $13b - 61 = 1952$

6. $67 + 20y = 987$

2. $54 + 4k = 90$

7. $15m - 7 = 113$

3. $68n + 87 = 835$

8. $10b + 108 = 1098$

4. $15y + 19 = 634$

9. $102 - 2n = 90$

ANSWER KEY

1. $13b - 61 = 1952$

$$13b - 61 = 1952$$

$$13b = 1952 + 61$$

$$13b = 2013$$

$$b = 2013 / 13$$

$$b = 154.84$$

2. $54 + 4k = 90$

$$54 + 4k = 90$$

$$4k = 90 - 54$$

$$4k = 36$$

$$k = 36 / 4$$

$$k = 9$$

3. $68n + 87 = 835$

$$68n + 87 = 835$$

$$68n = 835 - 87$$

$$68n = 748$$

$$n = 748 / 68$$

$$n = 11$$

4. $15y + 19 = 634$

$$15y + 19 = 634$$

$$15y = 634 - 19$$

$$15y = 615$$

$$y = 615 / 15$$

$$y = 41$$

6. $67 + 20y = 987$

$$67 + 20y = 987$$

$$20y = 987 - 67$$

$$20y = 920$$

$$y = 920 / 20$$

$$y = 46$$

7. $15m - 7 = 113$

$$15m - 7 = 113$$

$$15m = 113 + 7$$

$$15m = 120$$

$$m = 120 / 15$$

$$m = 8$$

8. $10b + 108 = 1098$

$$10b + 108 = 1098$$

$$10b = 1098 - 108$$

$$10b = 990$$

$$b = 990 / 10$$

$$b = 99$$

9. $102 - 2n = 90$

$$102 - 2n = 90$$

$$(-2n) = 90 - 102$$

$$(-2n) = (-12)$$

$$n = (-12) / (-2)$$

$$n = 6$$



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1. $10m - 18 = 432$

6. $73 + 4k = 93$

2. $18p + 5 = 59$

7. $20y - 9 = 71$

3. $4m + 6 = 798$

8. $21a - 9 = 600$

4. $22v + 7 = 51$

9. $5a - 3 = 27$

ANSWER KEY

1. $10m - 18 = 432$

$$10m - 18 = 432$$

$$10m = 432 + 18$$

$$10m = 450$$

$$m = 450 / 10$$

$$m = 45$$

2. $18p + 5 = 59$

$$18p + 5 = 59$$

$$18p = 59 - 5$$

$$18p = 54$$

$$p = 54 / 18$$

$$p = 3$$

3. $4m + 6 = 798$

$$4m + 6 = 798$$

$$4m = 798 - 6$$

$$4m = 792$$

$$m = 792 / 4$$

$$m = 198$$

4. $22v + 7 = 51$

$$22v + 7 = 51$$

$$22v = 51 - 7$$

$$22v = 44$$

$$v = 44 / 22$$

$$v = 2$$

6. $73 + 4k = 93$

$$73 + 4k = 93$$

$$4k = 93 - 73$$

$$4k = 20$$

$$k = 20 / 4$$

$$k = 5$$

7. $20y - 9 = 71$

$$20y - 9 = 71$$

$$20y = 71 + 9$$

$$20y = 80$$

$$y = 80 / 20$$

$$y = 4$$

8. $21a - 9 = 600$

$$21a - 9 = 600$$

$$21a = 600 + 9$$

$$21a = 609$$

$$a = 609 / 21$$

$$a = 29$$

9. $5a - 3 = 27$

$$5a - 3 = 27$$

$$5a = 27 + 3$$

$$5a = 30$$

$$a = 30 / 5$$

$$a = 6$$