

Name _____



Date _____

Algebra

Enter answers
in text boxes.

Complete the puzzle.

											19			
				16						20				
	14			15									31	
	27		.							30				
								34	21			25	13	
												26		
					33									
			18											
			28		17		32							
				29										
												5	6	
			23		22			10	3		2	4		9
									1				.	.
11	8												24	
										12	7	.		

<p><u>down 1.</u></p> <p>Express each of the following problems algebraically. (Hint: Use n as the unknown number and create an equation from the problem.) twelve times a number, less 1 is 59</p> <p><u>Answer:</u> $12n - ? = 59$</p>	<p><u>down 2.</u></p> <p>Solve. $252 = 7a$</p> <p>$a = ?$</p>	<p><u>down 3.</u></p> <p>Solve. $x + 93 = 44 + 80$</p> <p>$x = ?$</p>
<p><u>down 4.</u></p> <p>Solve. $a \times 3 \times 19 = 285$</p> <p>$a = ?$</p>	<p><u>down 5.</u></p> <p>Solve. $e \times 13 = 195$</p> <p>$e = ?$</p>	<p><u>down 6.</u></p> <p>Solve. $60.29 + y = 106.05$</p> <p>$y = ?$</p>
<p><u>down 7.</u></p> <p>Solve. $16 + 3 \times b = 34$</p> <p>$b = ?$</p>	<p><u>down 8.</u></p> <p>Express each of the following problems algebraically. (Hint: Use n as the unknown number and create an equation from the problem.) 5 more than 4 times a number is 25</p> <p><u>Answer:</u> $? + 5 = 25$</p>	<p><u>down 9.</u></p> <p>Solve. $11b = 20.9$</p> <p>$b = ?$</p>
<p><u>down 10.</u></p> <p>Solve. $23 \times 23 - k = 513$</p> <p>$k = ?$</p>	<p><u>down 11.</u></p> <p>Solve. $x - 65 = 15$</p> <p>$x = ?$</p>	<p><u>down 12.</u></p> <p>Solve. $d \times 15 - 17 = 88$</p> <p>$d = ?$</p>
<p><u>down 13.</u></p> <p>Solve. $6 + g = 33$</p> <p>$g = ?$</p>	<p><u>down 14.</u></p> <p>Express each of the following problems algebraically. (Hint: Use n as the unknown number and create an equation from the problem.) 12 less than a number equals 74</p>	<p><u>down 15.</u></p> <p>Solve. $h + 5 \times 2 = 28$</p> <p>$h = ?$</p>

	<u>Answer:</u> $n - ? = 74$	
<u>down 16.</u> Solve. $20 + y = 70$ $y = ?$	<u>down 17.</u> Solve. $x + 63 = 103$ $x = ?$	<u>down 18.</u> Solve. $8272 = 94a$ $a = ?$
<u>down 19.</u> Solve. $e + (20 \times 10) = 219$ $e = ?$	<u>down 20.</u> Express each of the following problems algebraically. (Hint: Use n as the unknown number and create an equation from the problem.) The sum of 20 and a number is 92 <u>Answer:</u> $? n = 92$	<u>down 21.</u> Solve. $14 \div j = 7$ $j = ?$
<u>down 22.</u> Solve. $\frac{y}{26} = \frac{14378}{182}$ $y = ?$	<u>down 23.</u> Solve. $n \div 39 = 4$ $n = ?$	<u>across 1.</u> Solve. $n \div 29 = 4$ $n = ?$
<u>across 2.</u> Solve. $2292.5 = 65.5a$ $a = ?$	<u>across 5.</u> Solve. $x + 10 = 24$ $x = ?$	<u>across 8.</u> Solve. $-3b = -12$ $b = ?$
<u>across 10.</u> Solve. $j + 15 = 28$ $j = ?$	<u>across 11.</u> Solve. $\frac{b}{12} = 7$ $b = ?$	<u>across 12.</u> Solve. $x - 60.16 = 16.44$ $x = ?$
<u>across 14.</u> Solve.	<u>across 15.</u> Solve.	<u>across 16.</u> Solve.

$91 - f = 81$ $f = ?$	$36 = a - 64$ $a = ?$	$x - 1 = 56$ $x = ?$
<u>across 20.</u> Solve. $d - 18 = 11$ $d = ?$	<u>across 24.</u> Solve. $x + 2 = 81$ $x = ?$	<u>across 25.</u> Solve. $x - 62 = 30$ $x = ?$
<u>across 26.</u> Solve. $x - 47 = 50$ $x = ?$	<u>across 27.</u> Solve. $0.9 = a - 19.9$ $a = ?$	<u>across 28.</u> Solve. $\frac{b}{7} = 1.2$ $b = ?$
<u>across 29.</u> Solve. $(c + 24) + 5 = 49$ $c = ?$	<u>across 30.</u> Express each of the following problems algebraically. (Hint: Use n as the unknown number and create an equation from the problem.) Twice the sum of a certain number and 84 is 182 <u>Answer:</u> $2(n + 84) = 182$	<u>across 31.</u> Express each of the following problems algebraically. (Hint: Use n as the unknown number and create an equation from the problem.) 16 less than twice a number is -14 <u>Answer:</u> $2n - 16 = -14$
<u>across 32.</u> Solve. $13 = a - 24$ $a = ?$	<u>across 33.</u> Express each of the following problems algebraically. (Hint: Use n as the unknown number and create an equation from the problem.) six times a number added to 9 is 63 <u>Answer:</u> $? + 9 = 63$	<u>across 34.</u> Solve. $12 \times c = 264$ $c = ?$