

## Aufgaben zu quadratischen Gleichungen – Versetzt 2

Bestimmen Sie die Unbekannten.

Aufgaben:	Lösungen:
- $17,5p = 7p^2 - 54,18$	
$6,5a^2 + 54,6 = 40,3a$	
$50,16y + 136,62 = -4,4y^2$	
- $16,28r = -3,7r^2 + 82,14$	
$-6,1w^2 - 13,42w = -100,223$	
- $8,16q = 5,1q^2 - 42,636$	
$-1,6i^2 + 10,4i = 16,576$	
$-6,6m^2 + 80,784 = -33m$	
$6,7p^2 - 47,57p = -75,576$	
$8,8x + 49,5 = 4,4x^2$	
$7o^2 + 19,95 = 23,8o$	
$3,1t^2 + 74,958 = -33,79t$	
$-4,1s^2 + 49,036 = -11,89s$	
$15,45t = 1,5t^2 + 38,43$	
- $37,944 = 3,1z^2 + 27,59z$	
$10,5q = -1,5q^2 + 12$	
$6,3f^2 = -20,79f + 169,974$	
$28,4 = 2,5b^2 - 13,75b$	
- $317,016 = 6,3q^2 + 89,46q$	
- $55r - 142,8 = 5r^2$	

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<u>Aufgaben</u>	<u>Lösungen</u>
$-17,5p = 7p^2 - 54,18$	L: $p_1 = -4,3; p_2 = 1,8;$
$6,5a^2 + 54,6 = 40,3a$	L: $a_1 = 2; a_2 = 4,2;$
$50,16y + 136,62 = -4,4y^2$	L: $y_1 = -4,5; y_2 = -6,9;$
$-16,28r = -3,7r^2 + 82,14$	L: $r_1 = -3; r_2 = 7,4;$
$-6,1w^2 - 13,42w = -100,223$	L: $w_1 = 3,1; w_2 = -5,3;$
$-8,16q = 5,1q^2 - 42,636$	L: $q_1 = 2,2; q_2 = -3,8;$
$-1,6i^2 + 10,4i = 16,576$	L: $i_1 = 3,7; i_2 = 2,8;$
$-6,6m^2 + 80,784 = -33m$	L: $m_1 = -1,8; m_2 = 6,8;$
$6,7p^2 - 47,57p = -75,576$	L: $p_1 = 4,7; p_2 = 2,4;$
$8,8x + 49,5 = 4,4x^2$	L: $x_1 = -2,5; x_2 = 4,5;$
$7o^2 + 19,95 = 23,8o$	L: $o_1 = 1,9; o_2 = 1,5;$
$3,1t^2 + 74,958 = -33,79t$	L: $t_1 = -7,8; t_2 = -3,1;$
$-4,1s^2 + 49,036 = -11,89s$	L: $s_1 = -2,3; s_2 = 5,2;$
$15,45t = 1,5t^2 + 38,43$	L: $t_1 = 4,2; t_2 = 6,1;$
$-37,944 = 3,1z^2 + 27,59z$	L: $z_1 = -1,7; z_2 = -7,2;$
$10,5q = -1,5q^2 + 12$	L: $q_1 = 1; q_2 = -8;$
$6,3f^2 = -20,79f + 169,974$	L: $f_1 = -7,1; f_2 = 3,8;$
$28,4 = 2,5b^2 - 13,75b$	L: $b_1 = -1,6; b_2 = 7,1;$
$-317,016 = 6,3q^2 + 89,46q$	L: $q_1 = -7,4; q_2 = -6,8;$
$-55r - 142,8 = 5r^2$	L: $r_1 = -6,8; r_2 = -4,2;$