

# Gleichungen mit Klammersausdrücken 1

Lösungsblatt

<b>1</b>							<b>2</b>																
$3x - (2 + x) = 10$ $3x - 2 - x = 10$ $2x - 2 = 10 \quad / +2$ $2x = 12 \quad / : 2$ $x = 6$												$-3x + (8 - 4x) = -6$ $-3x + 8 - 4x = -6$ $-7x + 8 = -6 \quad / -5$ $-7x = -14 \quad / : (-7)$ $x = 2$											
-4	B	5	H	6	W	0	A	2	I	-3	E												

<b>3</b>							<b>4</b>																
$(2x - 5) - (7 + 3x) = -22$ $2x - 5 - 7 - 3x = -22$ $-x - 12 = -22 \quad / +12$ $-x = -10 \quad / : (-1)$ $x = 10$												$4x - (8 - 5x) + (2x + 9) = -10$ $4x - 8 + 5x + 2x + 9 = -10$ $11x + 1 = -10 \quad / -1$ $11x = -11 \quad / : 11$ $x = -1$											
10	N	4	R	-8	N	-1	T	-2	A	8	B												

<b>5</b>							<b>6</b>																
$5 - (2x + 8) + 5x = -4 + (2x - 5)$ $5 - 2x - 8 + 5x = -4 + 2x - 5$ $-3 + 3x = -9 + 2x \quad / -2x$ $-3 + x = -9 \quad / +3$ $x = -6$												$-3x - (2 - 4x) + 8 = 2x + (5 - 5x)$ $-3x - 2 + 4x + 8 = 2x + 5 - 5x$ $x + 6 = -3x + 5 \quad / -x$ $6 = -4x + 5 \quad / -5$ $1 = -4x \quad / : (-4)$ $x = -0,25$											
6	S	-6	E	1	N	2	E	-4	T	-0,25	R												

Lösungswort:

W	I	N	T	E	R
1	2	3	4	5	6