

Gleichungen – einfache Umformungen 2

Lösungsblatt

1				2							
$17 + 7x - 5 - 3x = 5x + 10 - 3x + 16$ $12 + 4x = 2x + 26 \quad / -2x$ $12 + 2x = 26 \quad / -12$ $2x = 14 \quad / : 2$ $x = 7$				$x + 9 + 5x - 2 + 3x = 30 + 5x - 14 - 2x$ $9x + 7 = 16 + 3x \quad / -3x$ $6x + 7 = 16 \quad / -7$ $6x = 9 \quad / : 6$ $x = 1,5$							
7	P	8	U	9	T	2	A	2,5	N	1,5	A

3				4							
$5 + 4x + 12 - x - 4 = 7 + 3x - 4 + 2x + 5$ $13 + 3x = 8 + 5x \quad / -3x$ $13 = 8 + 2x \quad / -8$ $5 = 2x \quad / : 2$ $x = 2,5$				$12x + 19 + 4x - 12 - 6x = 5x + 8 + 6 - x - 1$ $10x + 7 = 4x + 13 \quad / -4x$ $6x + 7 = 13 \quad / -7$ $6x = 6 \quad / : 6$ $x = 1$							
3	I	2,5	N	5	G	1	A	2	W	3	A

5				6							
$85 + 32x - 9 - 12x = 9x + 8 + 10x + 62 + 4x$ $76 + 20x = 23x + 70 \quad / -20x$ $76 = 3x + 70 \quad / -70$ $6 = 3x \quad / : 3$ $x = 2$				$12x + 28 - 6x - 8 - 2x = 7x + 38 - 24 - x$ $4x + 20 = 6x + 14 \quad / -4x$ $20 = 2x + 14 \quad / -14$ $6 = 2x \quad / : 6$ $x = 3$							
2	M	4	R	3	A	1	N	2	N	3	A

Lösungswort:

P	A	N	A	M	A
1	2	3	4	5	6