

M**Gleichungen ohne Brüche 1****L**

1) $5x - 6 = 19$

$+ 6$

$5x = 25$

$: 5$

$x = 5$

2) $15 + 2(z - 20) = -19$

V

$15 + 2z - 40 = -19$

V

$2z - 25 = -19$

$+ 25$

$2z = 6$

$: 2$

$z = 3$

3) $7x + 3 \cdot 15 = 4 \cdot 6 - 28$

V

$7x + 45 = 24 - 28$

V

$7x + 45 = -4$

$- 45$

$7x = -49$

$: 7$

$x = -7$

4) $7(x - 7) = 21$

V

$7x - 49 = 21$

$+ 49$

$7x = 70$

$: 7$

$x = 10$

5) $4,18 + 2,7x = 11,2$

$- 4,18$

$2,7x = 7,02$

$: 2,7$

$x = 2,6$

6) $12,3 + 3(x - 0,9) = 0,5x - 11,3$

V

$12,3 + 3x - 2,7 = 0,5x - 11,3$

V

$9,6 + 3x = 0,5x - 11,3$

$- 9,6$

$3x = 0,5x - 20,9$

$- 0,5x$

$2,5x = -20,9$

$: 2,5$

$x = -8,36$