

Ma Kl. 7b – Lösung (08.06. – 10.06.)

1) Fasse zusammen!

a) $11x + 4 - 7x + 2 = \underline{\underline{4x + 6}}$

b) $45 - 5x + 15 - 5x = \underline{\underline{60 - 10x}}$

c) $13 - 5z + 8 - 4z = \underline{\underline{21 - 9z}}$

d) $2x + 22x - 46x = \underline{\underline{-22x}}$

e) $-7 + 15x + 6x - 13 = \underline{\underline{-20 + 21x}}$

f) $54n - 34 - 39n = \underline{\underline{15n - 34}}$

g) $89 + z - z + 23z - 45 = \underline{\underline{44 + 23z}}$

h) $64x + 76 - 39x = \underline{\underline{25x + 76}}$

2) Vereinfache!

a) $5 \cdot 9x = \underline{\underline{45x}}$

b) $3y \cdot (-12) = \underline{\underline{-36y}}$

c) $14 \cdot \frac{2}{7}x = \underline{\underline{4x}}$

d) $35a : (-5) = \underline{\underline{-7a}}$

e) $12b : 4 = \underline{\underline{3b}}$

f) $18y : 2 + 3y = \underline{\underline{12y}}$

3) Vereinfache folgende Terme!

a) $15a + 4a = \underline{\underline{19a}}$

b) $0,7b - 3,6b = \underline{\underline{-2,9b}}$

c) $12c + c = \underline{\underline{13c}}$

d) $0,3x + 2,7x - 3x = \underline{\underline{0}}$

e) $15y + 2 - 20y + 3 = \underline{\underline{-5y + 5}}$

f) $0,7f - 2,3 - f + 2,3 = \underline{\underline{-0,3f}}$

g) $7x + 9x = \underline{\underline{16x}}$

h) $0,3y - 7,2y = \underline{\underline{-6,9y}}$

i) $15z + z = \underline{\underline{16z}}$

j) $0,4a + 3,6a - 4a = \underline{\underline{0}}$

k) $13b + 4 - 20b + 3 = \underline{\underline{-7b + 7}}$

l) $0,3c - 3,7 - c + 3,7 = \underline{\underline{-0,7c}}$

m) $7 \cdot 3,9b = \underline{\underline{27,3b}}$

n) $8,1 \cdot 5x = \underline{\underline{40,5x}}$

o) $27x : 0,9 = \underline{\underline{30x}}$

p) $\frac{32x}{4x} = \underline{\underline{8}}$

q) $2x + 3 + 5x = \underline{\underline{7x + 3}}$

r) $8x - 16x + 5 = \underline{\underline{-8x + 5}}$

s) $12 - 5x - 15 = \underline{\underline{-3 - 5x}}$

t) $17 - 12x + 17x = \underline{\underline{17 + 5x}}$

u) $11a - 27 + 13a = \underline{\underline{24a - 27}}$

v) $3z + 21 - 3z = \underline{\underline{21}}$

Zusatz :

Fasse zusammen und zeichne die Lösungspfeile ein!

$10 - 2x + 27x + 27 + 13x - 19$	$32x - 13$
$3 - 8x + 20x + 33 + 11x - 11$	$7x + 3$
$6x + 3 - 5x + 31x + 5 - 26 + 5$	$38x + 16$
$2x + 29 - 18 + 6x - 8 + 8x - 9x$	$38x + 18$
$14x - 17 + 3 + 8x + 2 - 5 + 22x$	$27x + 44$
$12 - x + 24x + 28 + 15x - 24$	$18x + 14$
$18 - 9x + 31x + 31 + 5x - 5$	$23x + 25$
$8 - 10x + 18x + 25 + 10x - 19$	$44x - 17$

$8x - 29 + 38x + 23x - 14 + 30 + 19$	$74x - 11$
$3 - 20x + 44x + 11 + 4x - 16$	$30x + 14$
$10x - 8 + 34x + 30x - 11 + 7 + 1$	$69x + 6$
$19 - 11x + 31x + 13 + 10x - 18$	$13x + 6$
$10 - 12x + 16x + 14 + 5x - 15$	$28x - 2$
$7x - 15 + 18x + 6x - 3 + 2 + 18$	$25x + 15$
$9 - 9x + 18x + 26 + 4x - 29$	$31x + 2$
$4x + 23 - 4x + 25x + 7 - 23 + 8$	$9x + 9$

$5x - 21 + 10x + x - 5 + 17 + 8$	$43x - 25$
$20 - 22x + 16x + 17 + 18x - 8$	$19x + 20$
$15x - 24 + 3 + 27x + 4 + x - 8$	$16x - 1$
$15 - 16x + 19x + 34 + 16x - 29$	$-12x + 33$
$20x - 15 - 8 + 10x + 8x + 18 + 27$	$12x + 29$
$5 - 2x + 6x + 32 + 14x - 23$	$-3x + 12$
$18x + 6 - 23x + 2x + 3 - 18 + 21$	$38x + 22$
$7 - 24x + 8x + 40 + 4x - 14$	$18x + 14$

$13 - 22x + 39x + 30 + 3x - 5$	$15x + 3$
$2 - 2x + 12x + 18 + 5x - 17$	$32x + 50$
$4 - 5x + 34x + 16 + 5x - 2$	$17x + 34$
$22 - 3x + 34x + 36 + x - 8$	$20x + 38$
$18 + x - 18x + 1 + 2x - 13$	$34x + 18$
$22 - 25x + 30x + 4 - 3 + 3x$	$-15x + 6$
$14 - 14x + 22x + 24 + 9x - 4$	$15x - 8$
$2 - 12x + 18x + 7 + 9x - 17$	$8x + 23$

Achtung!

Die Vorzeichen müssen immer mitgenommen werden.