

Magischer Blumengarten Lösungen a):

$0,5 \cdot 8 - 9 = 3 - 8$ $4 - 9 = -5$ $-5 = -5 \quad \checkmark$	$0,5 \cdot 20 - 9 = 1$ $10 - 9 = 1$ $1 = 1 \quad \checkmark$	$0,5 \cdot 6 - 9 = -6$ $3 - 9 = -6$ $-6 = -6 \quad \checkmark$	$0,5 \cdot 3 - 9 = 8 \cdot 3 + 2$ $1,5 - 9 = 24 + 2$ $-7,5 = 26 \quad \times$
$5 \cdot 9 + 1 = 3 - 9$ $45 + 1 = -6$ $46 = -6 \quad \times$	$5 \cdot 1 + 1 = 1$ $5 + 1 = 1$ $6 = 1 \quad \times$	$5 \cdot 0 + 1 = -0$ $0 + 1 = 0$ $1 = 0 \quad \times$	$5 \cdot 12 + 1 = 8 \cdot 12 + 2$ $60 + 1 = 96 + 2$ $61 = 98 \quad \times$
$12 - 4 \cdot 3 = 3 - 3$ $12 - 12 = 0$ $0 = 0 \quad \checkmark$	$12 - 4 \cdot 15 = 1$ $12 - 60 = 1$ $-48 = 1 \quad \times$	$12 - 4 \cdot 4 = -4$ $12 - 16 = -4$ $-4 = -4 \quad \checkmark$	$12 - 4 \cdot 9 = 8 \cdot 9 + 2$ $12 - 36 = 72 + 2$ $-24 = 74 \quad \times$
$-2 \cdot 0 + 5 = 3 - 0$ $0 + 5 = 3$ $5 = 3 \quad \times$	$-2 \cdot 2 + 5 = 1$ $-4 + 5 = 1$ $1 = 1 \quad \checkmark$	$-2 \cdot 5 + 5 = -5$ $-10 + 5 = -5$ $-5 = -5 \quad \checkmark$	$-2 \cdot 7 + 5 = 8 \cdot 7 + 2$ $-14 + 5 = 56 + 2$ $-9 = 58 \quad \times$

Magischer Blumengarten Lösungen b):

$-3(2 - 3) = \frac{3}{4} \cdot 2 - 0,5$ $-3 \cdot (-1) = \frac{6}{4} - 0,5$ $3 = \frac{6}{4} - 0,5$ $12 = 6 - 2$ $12 = 4 \quad \times$	$-3(\frac{3}{2} - 3) = 3 \cdot \frac{3}{2}$ $-3(-\frac{3}{2}) = \frac{9}{2}$ $-3 \cdot -3 = 9$ $9 = 9 \quad \checkmark$	$-3(20 - 3) = \frac{4 \cdot 20}{3} + 2$ $-3 \cdot 17 = \frac{80}{3} + 2$ $-51 = \frac{80}{3} + 2$ $-153 = 80 + 2$ $-153 = 82 \quad \times$	$-3(1 - 3) = 4 \cdot 1 + 2$ $-3 \cdot -2 = 4 + 2$ $6 = 6 \quad \checkmark$
$2 = \frac{3}{4} \cdot 12 - 0,5$ $2 = 9 - 0,5$ $2 = 8,5 \quad \times$	$2 = 3 \cdot \frac{2}{3}$ $2 = 2 \quad \checkmark$	$2 = \frac{4 \cdot 0}{3} + 2$ $2 = 0 + 2$ $2 = 2 \quad \checkmark$	$2 = 4 \cdot 1 + 2$ $2 = 4 + 2$ $2 = 6 \quad \times$
$-\frac{0,5}{4} = \frac{3}{4} \cdot 0,5 - 0,5$ $-\frac{0,5}{4} = \frac{1,5}{4} - 0,5$ $-0,5 = 1,5 - 2$ $-0,5 = -0,5 \quad \checkmark$	$-\frac{0}{4} = 3 \cdot 0$ $0 = 0 \quad \checkmark$	$-\frac{3}{4} = \frac{4 \cdot 3}{3} + 2$ $-\frac{3}{4} = \frac{12}{3} + 2$ $-\frac{3}{4} = 4 + 2$ $-3 = 24 \quad \times$	$-\frac{4}{4} = 4 \cdot 4 + 2$ $-1 = 16 + 2$ $-1 = 18 \quad \times$
$4 - 8 = \frac{3}{4} \cdot 8 - 0,5$ $-4 = 6 - 0,5$ $-4 = 5,5 \quad \times$	$4 - 1 = 3 \cdot 1$ $3 = 3 \quad \checkmark$	$4 - 17 = \frac{4 \cdot 17}{3} + 2$ $3 = \frac{68}{3} + 2$ $9 = 68 + 6$ $9 = 74 \quad \times$	$4 - 13 = 4 \cdot 13 + 2$ $-9 = 52 + 2$ $-9 = 54 \quad \times$