

Tägliche Übungen

Datum: 14.06.2023

a)	$4 = x - 50$
b)	$16 = a + 40$
c)	$9 = y + 34$
d)	$29 = y - 41$
e)	$12 = y - 34$
f)	$2 = y - 1$
g)	$1 \cdot a + 2 \cdot a - 4 + 1 = 12$
h)	$-1 \cdot b + 8 + 4 \cdot b - 24 = 17$
i)	$-3 + 2 \cdot a - 3 + 1 \cdot a = 3$

Lösungen Tägliche Übungen

a)	$4 = x - 50$ $4 = x - 50 \quad -4$ $0 = x - 54 \quad -x$ $-x = -54 \quad : (-1)$ $x = 54$ Probe: $4 = x - 50$ $4 = (54) - 50$ $4 = 54 - 50$ $4 = 4$
b)	$16 = a + 40$ $16 = a + 40 \quad -16$ $0 = a + 24 \quad -a$ $-a = 24 \quad : (-1)$ $a = -24$ Probe: $16 = a + 40$ $16 = (-24) + 40$ $16 = -24 + 40$ $16 = 16$
c)	$9 = y + 34$ $9 = y + 34 \quad -9$ $0 = y + 25 \quad -y$ $-y = 25 \quad : (-1)$ $y = -25$ Probe: $9 = y + 34$ $9 = (-25) + 34$ $9 = -25 + 34$ $9 = 9$
d)	$29 = y - 41$ $29 = y - 41 \quad -29$ $0 = y - 70 \quad -y$ $-y = -70 \quad : (-1)$ $y = 70$ Probe: $29 = y - 41$ $29 = (70) - 41$ $29 = 70 - 41$ $29 = 29$

e)	$12 = y - 34$ $12 = y - 34 \quad -12$ $0 = y - 46 \quad -y$ $-y = -46 \quad : (-1)$ $y = 46$ Probe: $12 = y - 34$ $12 = (46) - 34$ $12 = 46 - 34$ $12 = 12$
f)	$2 = y - 1$ $2 = y - 1 \quad -2$ $0 = y - 3 \quad -y$ $-y = -3 \quad : (-1)$ $y = 3$ Probe: $2 = y - 1$ $2 = (3) - 1$ $2 = 3 - 1$ $2 = 2$
g)	$1 \cdot a + 2 \cdot a - 4 + 1 = 12$ $3 \cdot a - 3 = 12 \quad +3$ $3 \cdot a = 15 \quad : (3)$ $a = 5$ Probe: $1 \cdot a + 2 \cdot a - 4 + 1 = 12$ $1 \cdot (5) + 2 \cdot (5) - 4 + 1 = 12$ $5 + 10 - 4 + 1 = 12$ $12 = 12$
h)	$-1 \cdot b + 8 + 4 \cdot b - 24 = 17$ $3 \cdot b - 16 = 17 \quad +16$ $3 \cdot b = 33 \quad : (3)$ $b = 11$ Probe: $-1 \cdot b + 8 + 4 \cdot b - 24 = 17$ $-1 \cdot (11) + 8 + 4 \cdot (11) - 24 = 17$ $-11 + 8 + 44 - 24 = 17$ $17 = 17$

$$\begin{array}{rcl} -3 + 2 \cdot a - 3 + 1 \cdot a & = & 3 \\ 3 \cdot a - 6 & = & 3 \quad | +6 \\ 3 \cdot a & = & 9 \quad | : (3) \\ a & = & 3 \end{array}$$

$$3 \cdot a - 6 = 3 \quad | +6$$

	$3 \cdot a = 9 \quad : (3)$
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[illegible]

Probe: $-3 + 2 \cdot a - 3 + 1 \cdot a = 3$

$$-3 + 2 \cdot (3) - 3 + 1 \cdot (3) = 3$$

$$-3 + 6 - 3 + 3 = 3$$

$$3 = 3$$

i)