Datum: 08.06.2023

Tägliche Übungen

a)	$b = -10 \rightarrow 5 \cdot b + 2 = ?$	b)	$z = -11 \rightarrow 1 + z = ?$
c)	$x = -7 \rightarrow 3 \cdot x - 4 \cdot x = ?$	d)	$z = -9 \rightarrow 1 + z = ?$
e)	$x + 18 = 38$	f)	$a + 4 = 18$
g)	$x + 13 = 31$	h)	$a + 23 = 21$
i)	$a + 37 = 40$	j)	$x + 19 = 37$
k)	$y + 45 = 20$	l)	$y - 15 = 42$
m)	$a + 6 = 2$	n)	$x - 31 = 9$
o)	$b - 4 = 24$	p)	$a + 40 = 18$
q)	$x + 14 = 37$	r)	$y + 8 = 20$
s)	$x + 5 = 43$	t)	$a - 13 = 43$
u)	$x - 5 = 1$	v)	$y + 2 = 8$
w)	$a - 10 = 14$	x)	$x + 32 = 29$
y)	$x + 44 = 32$	z)	$b + 39 = 49$

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Lösungen Tägliche Übungen

a)	$b = -10 \rightarrow$ $5 \cdot b + 2 = 5 \cdot (-10) + 2 = -48$	b)	$z = -11 \rightarrow$ $1 + z = 1 + (-11) = -10$
c)	$x = -7 \rightarrow$ $3 \cdot x - 4 \cdot x = 3 \cdot (-7) - 4 \cdot (-7) = 7$	d)	$z = -9 \rightarrow$ $1 + z = 1 + (-9) = -8$
e)	$x + 18 = 38$ $x + 18 = 38 \quad \mid -18$ $x = 20$ Probe: $x + 18 = 38$ $(20) + 18 = 38$ $20 + 18 = 38$ $38 = 38$	f)	$a + 4 = 18$ $a + 4 = 18 \quad \mid -4$ $a = 14$ Probe: $a + 4 = 18$ $(14) + 4 = 18$ $14 + 4 = 18$ $18 = 18$
g)	$x + 13 = 31$ $x + 13 = 31 \quad \mid -13$ $x = 18$ Probe: $x + 13 = 31$ $(18) + 13 = 31$ $18 + 13 = 31$ $31 = 31$	h)	$a + 23 = 21$ $a + 23 = 21 \quad \mid -23$ $a = -2$ Probe: $a + 23 = 21$ $(-2) + 23 = 21$ $-2 + 23 = 21$ $21 = 21$
i)	$a + 37 = 40$ $a + 37 = 40 \quad \mid -37$ $a = 3$ Probe: $a + 37 = 40$ $(3) + 37 = 40$ $3 + 37 = 40$ $40 = 40$	j)	$x + 19 = 37$ $x + 19 = 37 \quad \mid -19$ $x = 18$ Probe: $x + 19 = 37$ $(18) + 19 = 37$ $18 + 19 = 37$ $37 = 37$
k)	$y + 45 = 20$ $y + 45 = 20 \quad \mid -45$ $y = -25$ Probe: $y + 45 = 20$ $(-25) + 45 = 20$ $-25 + 45 = 20$ $20 = 20$	l)	$y - 15 = 42$ $y - 15 = 42 \quad \mid +15$ $y = 57$ Probe: $y - 15 = 42$ $(57) - 15 = 42$ $57 - 15 = 42$ $42 = 42$

m)

$$\begin{aligned} a+6&=2 \\ a+6&=2 \quad |-6 \\ a&=-4 \end{aligned}$$

Probe:
$$\begin{aligned} a+6&=2 \\ (-4)+6&=2 \\ -4+6&=2 \\ 2&=2 \end{aligned}$$

n)

$$\begin{aligned} x-31&=9 \\ x-31&=9 \quad |+31 \\ x&=40 \end{aligned}$$

Probe:
$$\begin{aligned} x-31&=9 \\ (40)-31&=9 \\ 40-31&=9 \\ 9&=9 \end{aligned}$$

o)

$$\begin{aligned} b-4&=24 \\ b-4&=24 \quad |+4 \\ b&=28 \end{aligned}$$

Probe:
$$\begin{aligned} b-4&=24 \\ (28)-4&=24 \\ 28-4&=24 \\ 24&=24 \end{aligned}$$

p)

$$\begin{aligned} a+40&=18 \\ a+40&=18 \quad |-40 \\ a&=-22 \end{aligned}$$

Probe:
$$\begin{aligned} a+40&=18 \\ (-22)+40&=18 \\ -22+40&=18 \\ 18&=18 \end{aligned}$$

q)

$$\begin{aligned} x+14&=37 \\ x+14&=37 \quad |-14 \\ x&=23 \end{aligned}$$

Probe:
$$\begin{aligned} x+14&=37 \\ (23)+14&=37 \\ 23+14&=37 \\ 37&=37 \end{aligned}$$

r)

$$\begin{aligned} y+8&=20 \\ y+8&=20 \quad |-8 \\ y&=12 \end{aligned}$$

Probe:
$$\begin{aligned} y+8&=20 \\ (12)+8&=20 \\ 12+8&=20 \\ 20&=20 \end{aligned}$$

s)

$$\begin{aligned} x+5&=43 \\ x+5&=43 \quad |-5 \\ x&=38 \end{aligned}$$

Probe:
$$\begin{aligned} x+5&=43 \\ (38)+5&=43 \\ 38+5&=43 \\ 43&=43 \end{aligned}$$

t)

$$\begin{aligned} a-13&=43 \\ a-13&=43 \quad |+13 \\ a&=56 \end{aligned}$$

Probe:
$$\begin{aligned} a-13&=43 \\ (56)-13&=43 \\ 56-13&=43 \\ 43&=43 \end{aligned}$$

u)

$$\begin{aligned} x-5&=1 \\ x-5&=1 \quad |+5 \\ x&=6 \end{aligned}$$

Probe:
$$\begin{aligned} x-5&=1 \\ (6)-5&=1 \\ 6-5&=1 \\ 1&=1 \end{aligned}$$

v)

$$\begin{aligned} y+2&=8 \\ y+2&=8 \quad |-2 \\ y&=6 \end{aligned}$$

Probe:
$$\begin{aligned} y+2&=8 \\ (6)+2&=8 \\ 6+2&=8 \\ 8&=8 \end{aligned}$$

w)	$a - 10 = 14$ $a - 10 = 14 \quad \mid +10$ $a = 24$ Probe: $a - 10 = 14$ $(24) - 10 = 14$ $24 - 10 = 14$ $14 = 14$	x)	$x + 32 = 29$ $x + 32 = 29 \quad \mid -32$ $x = -3$ Probe: $x + 32 = 29$ $(-3) + 32 = 29$ $-3 + 32 = 29$ $29 = 29$
y)	$x + 44 = 32$ $x + 44 = 32 \quad \mid -44$ $x = -12$ Probe: $x + 44 = 32$ $(-12) + 44 = 32$ $-12 + 44 = 32$ $32 = 32$	z)	$b + 39 = 49$ $b + 39 = 49 \quad \mid -39$ $b = 10$ Probe: $b + 39 = 49$ $(10) + 39 = 49$ $10 + 39 = 49$ $49 = 49$