

## Tägliche Übungen

a)	$x = -9 \rightarrow 2 \cdot x - 2 \cdot x = ?$	b)	$b = 2 \rightarrow 5 \cdot b - 3 = ?$
c)	$z = -5 \rightarrow z + 3 = ?$	d)	$a = -1 \rightarrow 4 \cdot a + 1 = ?$
e)	$3 \cdot y - 13 = 14$	f)	$4 \cdot b - 18 = 30$
g)	$2 \cdot b - 6 = 14$	h)	$7 \cdot x - 15 = 41$
i)	$10 \cdot x - 12 = 28$	j)	$5 \cdot y - 5 = 5$
k)	$9 \cdot y - 13 = 41$	l)	$7 \cdot a - 8 = 76$
m)	$6 \cdot a - 3 = 51$	n)	$8 \cdot y - 16 = 32$
o)	$6 \cdot b - 14 = 4$	p)	$4 \cdot b - 4 = 20$
q)	$6 \cdot y - 20 = 52$	r)	$8 \cdot a - 13 = 83$
s)	$10 \cdot y - 15 = 75$	t)	$5 \cdot b - 7 = 48$
u)	$3 \cdot a - 18 = -3$	v)	$4 \cdot b - 6 = 14$
w)	$10 \cdot y - 12 = 88$	x)	$6 \cdot a - 3 = 69$
y)	$7 \cdot x - 6 = 36$	z)	$4 \cdot y - 17 = 31$

## Lösungen Tägliche Übungen

a)	$x = -9 \rightarrow$ $2 \cdot x - 2 \cdot x = 2 \cdot (-9) - 2 \cdot (-9) = 0$	b)	$b = 2 \rightarrow$ $5 \cdot b - 3 = 5 \cdot 2 - 3 = 7$
c)	$z = -5 \rightarrow$ $z + 3 = (-5) + 3 = -2$	d)	$a = -1 \rightarrow$ $4 \cdot a + 1 = 4 \cdot (-1) + 1 = -3$
e)	$\begin{array}{rcl} 3 \cdot y - 13 & = & 14 \\ 3 \cdot y - 13 & = & 14 \quad   +13 \\ 3 \cdot y & = & 27 \quad  : (3) \\ y & = & 9 \end{array}$ Probe: $\begin{array}{rcl} 3 \cdot y - 13 & = & 14 \\ 3 \cdot (9) - 13 & = & 14 \\ 27 - 13 & = & 14 \\ 14 & = & 14 \end{array}$	f)	$\begin{array}{rcl} 4 \cdot b - 18 & = & 30 \\ 4 \cdot b - 18 & = & 30 \quad   +18 \\ 4 \cdot b & = & 48 \quad  : (4) \\ b & = & 12 \end{array}$ Probe: $\begin{array}{rcl} 4 \cdot b - 18 & = & 30 \\ 4 \cdot (12) - 18 & = & 30 \\ 48 - 18 & = & 30 \\ 30 & = & 30 \end{array}$
g)	$\begin{array}{rcl} 2 \cdot b - 6 & = & 14 \\ 2 \cdot b - 6 & = & 14 \quad   +6 \\ 2 \cdot b & = & 20 \quad  : (2) \\ b & = & 10 \end{array}$ Probe: $\begin{array}{rcl} 2 \cdot b - 6 & = & 14 \\ 2 \cdot (10) - 6 & = & 14 \\ 20 - 6 & = & 14 \\ 14 & = & 14 \end{array}$	h)	$\begin{array}{rcl} 7 \cdot x - 15 & = & 41 \\ 7 \cdot x - 15 & = & 41 \quad   +15 \\ 7 \cdot x & = & 56 \quad  : (7) \\ x & = & 8 \end{array}$ Probe: $\begin{array}{rcl} 7 \cdot x - 15 & = & 41 \\ 7 \cdot (8) - 15 & = & 41 \\ 56 - 15 & = & 41 \\ 41 & = & 41 \end{array}$
i)	$\begin{array}{rcl} 10 \cdot x - 12 & = & 28 \\ 10 \cdot x - 12 & = & 28 \quad   +12 \\ 10 \cdot x & = & 40 \quad  : (10) \\ x & = & 4 \end{array}$ Probe: $\begin{array}{rcl} 10 \cdot x - 12 & = & 28 \\ 10 \cdot (4) - 12 & = & 28 \\ 40 - 12 & = & 28 \\ 28 & = & 28 \end{array}$	j)	$\begin{array}{rcl} 5 \cdot y - 5 & = & 5 \\ 5 \cdot y - 5 & = & 5 \quad   +5 \\ 5 \cdot y & = & 10 \quad  : (5) \\ y & = & 2 \end{array}$ Probe: $\begin{array}{rcl} 5 \cdot y - 5 & = & 5 \\ 5 \cdot (2) - 5 & = & 5 \\ 10 - 5 & = & 5 \\ 5 & = & 5 \end{array}$

k)	$ \begin{array}{rcl} 9 \cdot y - 13 & = & 41 \\ 9 \cdot y - 13 & = & 41 \quad   +13 \\ 9 \cdot y & = & 54 \quad  : (9) \\ y & = & 6 \end{array} $ <p>Probe:</p> $ \begin{array}{rcl} 9 \cdot y - 13 & = & 41 \\ 9 \cdot (6) - 13 & = & 41 \\ 54 - 13 & = & 41 \\ 41 & = & 41 \end{array} $	l)	$ \begin{array}{rcl} 7 \cdot a - 8 & = & 76 \\ 7 \cdot a - 8 & = & 76 \quad   +8 \\ 7 \cdot a & = & 84 \quad  : (7) \\ a & = & 12 \end{array} $ <p>Probe:</p> $ \begin{array}{rcl} 7 \cdot a - 8 & = & 76 \\ 7 \cdot (12) - 8 & = & 76 \\ 84 - 8 & = & 76 \\ 76 & = & 76 \end{array} $
m)	$ \begin{array}{rcl} 6 \cdot a - 3 & = & 51 \\ 6 \cdot a - 3 & = & 51 \quad   +3 \\ 6 \cdot a & = & 54 \quad  : (6) \\ a & = & 9 \end{array} $ <p>Probe:</p> $ \begin{array}{rcl} 6 \cdot a - 3 & = & 51 \\ 6 \cdot (9) - 3 & = & 51 \\ 54 - 3 & = & 51 \\ 51 & = & 51 \end{array} $	n)	$ \begin{array}{rcl} 8 \cdot y - 16 & = & 32 \\ 8 \cdot y - 16 & = & 32 \quad   +16 \\ 8 \cdot y & = & 48 \quad  : (8) \\ y & = & 6 \end{array} $ <p>Probe:</p> $ \begin{array}{rcl} 8 \cdot y - 16 & = & 32 \\ 8 \cdot (6) - 16 & = & 32 \\ 48 - 16 & = & 32 \\ 32 & = & 32 \end{array} $
o)	$ \begin{array}{rcl} 6 \cdot b - 14 & = & 4 \\ 6 \cdot b - 14 & = & 4 \quad   +14 \\ 6 \cdot b & = & 18 \quad  : (6) \\ b & = & 3 \end{array} $ <p>Probe:</p> $ \begin{array}{rcl} 6 \cdot b - 14 & = & 4 \\ 6 \cdot (3) - 14 & = & 4 \\ 18 - 14 & = & 4 \\ 4 & = & 4 \end{array} $	p)	$ \begin{array}{rcl} 4 \cdot b - 4 & = & 20 \\ 4 \cdot b - 4 & = & 20 \quad   +4 \\ 4 \cdot b & = & 24 \quad  : (4) \\ b & = & 6 \end{array} $ <p>Probe:</p> $ \begin{array}{rcl} 4 \cdot b - 4 & = & 20 \\ 4 \cdot (6) - 4 & = & 20 \\ 24 - 4 & = & 20 \\ 20 & = & 20 \end{array} $
q)	$ \begin{array}{rcl} 6 \cdot y - 20 & = & 52 \\ 6 \cdot y - 20 & = & 52 \quad   +20 \\ 6 \cdot y & = & 72 \quad  : (6) \\ y & = & 12 \end{array} $ <p>Probe:</p> $ \begin{array}{rcl} 6 \cdot y - 20 & = & 52 \\ 6 \cdot (12) - 20 & = & 52 \\ 72 - 20 & = & 52 \\ 52 & = & 52 \end{array} $	r)	$ \begin{array}{rcl} 8 \cdot a - 13 & = & 83 \\ 8 \cdot a - 13 & = & 83 \quad   +13 \\ 8 \cdot a & = & 96 \quad  : (8) \\ a & = & 12 \end{array} $ <p>Probe:</p> $ \begin{array}{rcl} 8 \cdot a - 13 & = & 83 \\ 8 \cdot (12) - 13 & = & 83 \\ 96 - 13 & = & 83 \\ 83 & = & 83 \end{array} $

s)	$  \begin{array}{rcl}  10 \cdot y - 15 & = & 75 \\  10 \cdot y - 15 & = & 75 \quad   +15 \\  10 \cdot y & = & 90 \quad  : (10) \\  y & = & 9  \end{array}  $ Probe: $  \begin{array}{rcl}  10 \cdot y - 15 & = & 75 \\  10 \cdot (9) - 15 & = & 75 \\  90 - 15 & = & 75 \\  75 & = & 75  \end{array}  $	t)	$  \begin{array}{rcl}  5 \cdot b - 7 & = & 48 \\  5 \cdot b - 7 & = & 48 \quad   +7 \\  5 \cdot b & = & 55 \quad  : (5) \\  b & = & 11  \end{array}  $ Probe: $  \begin{array}{rcl}  5 \cdot b - 7 & = & 48 \\  5 \cdot (11) - 7 & = & 48 \\  55 - 7 & = & 48 \\  48 & = & 48  \end{array}  $
u)	$  \begin{array}{rcl}  3 \cdot a - 18 & = & -3 \\  3 \cdot a - 18 & = & -3 \quad   +18 \\  3 \cdot a & = & 15 \quad  : (3) \\  a & = & 5  \end{array}  $ Probe: $  \begin{array}{rcl}  3 \cdot a - 18 & = & -3 \\  3 \cdot (5) - 18 & = & -3 \\  15 - 18 & = & -3 \\  -3 & = & -3  \end{array}  $	v)	$  \begin{array}{rcl}  4 \cdot b - 6 & = & 14 \\  4 \cdot b - 6 & = & 14 \quad   +6 \\  4 \cdot b & = & 20 \quad  : (4) \\  b & = & 5  \end{array}  $ Probe: $  \begin{array}{rcl}  4 \cdot b - 6 & = & 14 \\  4 \cdot (5) - 6 & = & 14 \\  20 - 6 & = & 14 \\  14 & = & 14  \end{array}  $
w)	$  \begin{array}{rcl}  10 \cdot y - 12 & = & 88 \\  10 \cdot y - 12 & = & 88 \quad   +12 \\  10 \cdot y & = & 100 \quad  : (10) \\  y & = & 10  \end{array}  $ Probe: $  \begin{array}{rcl}  10 \cdot y - 12 & = & 88 \\  10 \cdot (10) - 12 & = & 88 \\  100 - 12 & = & 88 \\  88 & = & 88  \end{array}  $	x)	$  \begin{array}{rcl}  6 \cdot a - 3 & = & 69 \\  6 \cdot a - 3 & = & 69 \quad   +3 \\  6 \cdot a & = & 72 \quad  : (6) \\  a & = & 12  \end{array}  $ Probe: $  \begin{array}{rcl}  6 \cdot a - 3 & = & 69 \\  6 \cdot (12) - 3 & = & 69 \\  72 - 3 & = & 69 \\  69 & = & 69  \end{array}  $
y)	$  \begin{array}{rcl}  7 \cdot x - 6 & = & 36 \\  7 \cdot x - 6 & = & 36 \quad   +6 \\  7 \cdot x & = & 42 \quad  : (7) \\  x & = & 6  \end{array}  $ Probe: $  \begin{array}{rcl}  7 \cdot x - 6 & = & 36 \\  7 \cdot (6) - 6 & = & 36 \\  42 - 6 & = & 36 \\  36 & = & 36  \end{array}  $	z)	$  \begin{array}{rcl}  4 \cdot y - 17 & = & 31 \\  4 \cdot y - 17 & = & 31 \quad   +17 \\  4 \cdot y & = & 48 \quad  : (4) \\  y & = & 12  \end{array}  $ Probe: $  \begin{array}{rcl}  4 \cdot y - 17 & = & 31 \\  4 \cdot (12) - 17 & = & 31 \\  48 - 17 & = & 31 \\  31 & = & 31  \end{array}  $