

Tägliche Übungen

a)	$z = 7 \rightarrow 4 + 3 \cdot z = ?$	b)	$x = -7 \rightarrow x - 4 = ?$
c)	$a = -12 \rightarrow 4 \cdot a + 2 = ?$	d)	$a = 8 \rightarrow 3 + a = ?$
e)	$6 \cdot a - 17 = 19$	f)	$6 \cdot b - 19 = 41$
g)	$5 \cdot b - 6 = 14$	h)	$8 \cdot a - 9 = 23$
i)	$3 \cdot a - 8 = 28$	j)	$7 \cdot x - 8 = 48$
k)	$7 \cdot x - 4 = 38$	l)	$8 \cdot y - 3 = 61$
m)	$3 \cdot x - 19 = -7$	n)	$2 \cdot x - 2 = 10$
o)	$3 \cdot y - 12 = 15$	p)	$6 \cdot b - 18 = 6$
q)	$8 \cdot a - 14 = 50$	r)	$8 \cdot x - 20 = 44$
s)	$10 \cdot b - 15 = 25$	t)	$3 \cdot b - 18 = 0$
u)	$2 \cdot x - 9 = 9$	v)	$9 \cdot x - 7 = 74$
w)	$5 \cdot x - 6 = 44$	x)	$4 \cdot x - 4 = 8$
y)	$6 \cdot a - 15 = 15$	z)	$3 \cdot b - 10 = 8$

Lösungen Tägliche Übungen

a)	$z = 7 \rightarrow$ $4 + 3 \cdot z = 4 + 3 \cdot 7 = 25$	b)	$x = -7 \rightarrow$ $x - 4 = (-7) - 4 = -11$
c)	$a = -12 \rightarrow$ $4 \cdot a + 2 = 4 \cdot (-12) + 2 = -46$	d)	$a = 8 \rightarrow$ $3 + a = 3 + 8 = 11$
e)	$6 \cdot a - 17 = 19$ $6 \cdot a - 17 = 19 \quad +17$ $6 \cdot a = 36 \quad : (6)$ $a = 6$ Probe: $6 \cdot a - 17 = 19$ $6 \cdot (6) - 17 = 19$ $36 - 17 = 19$ $19 = 19$	f)	$6 \cdot b - 19 = 41$ $6 \cdot b - 19 = 41 \quad +19$ $6 \cdot b = 60 \quad : (6)$ $b = 10$ Probe: $6 \cdot b - 19 = 41$ $6 \cdot (10) - 19 = 41$ $60 - 19 = 41$ $41 = 41$
g)	$5 \cdot b - 6 = 14$ $5 \cdot b - 6 = 14 \quad +6$ $5 \cdot b = 20 \quad : (5)$ $b = 4$ Probe: $5 \cdot b - 6 = 14$ $5 \cdot (4) - 6 = 14$ $20 - 6 = 14$ $14 = 14$	h)	$8 \cdot a - 9 = 23$ $8 \cdot a - 9 = 23 \quad +9$ $8 \cdot a = 32 \quad : (8)$ $a = 4$ Probe: $8 \cdot a - 9 = 23$ $8 \cdot (4) - 9 = 23$ $32 - 9 = 23$ $23 = 23$
i)	$3 \cdot a - 8 = 28$ $3 \cdot a - 8 = 28 \quad +8$ $3 \cdot a = 36 \quad : (3)$ $a = 12$ Probe: $3 \cdot a - 8 = 28$ $3 \cdot (12) - 8 = 28$ $36 - 8 = 28$ $28 = 28$	j)	$7 \cdot x - 8 = 48$ $7 \cdot x - 8 = 48 \quad +8$ $7 \cdot x = 56 \quad : (7)$ $x = 8$ Probe: $7 \cdot x - 8 = 48$ $7 \cdot (8) - 8 = 48$ $56 - 8 = 48$ $48 = 48$

k)	$ \begin{array}{rcl} 7 \cdot x - 4 & = & 38 \\ 7 \cdot x - 4 & = & 38 \quad +4 \\ 7 \cdot x & = & 42 \quad : (7) \\ x & = & 6 \end{array} $ Probe: $ \begin{array}{rcl} 7 \cdot x - 4 & = & 38 \\ 7 \cdot (6) - 4 & = & 38 \\ 42 - 4 & = & 38 \\ 38 & = & 38 \end{array} $	l)	$ \begin{array}{rcl} 8 \cdot y - 3 & = & 61 \\ 8 \cdot y - 3 & = & 61 \quad +3 \\ 8 \cdot y & = & 64 \quad : (8) \\ y & = & 8 \end{array} $ Probe: $ \begin{array}{rcl} 8 \cdot y - 3 & = & 61 \\ 8 \cdot (8) - 3 & = & 61 \\ 64 - 3 & = & 61 \\ 61 & = & 61 \end{array} $
m)	$ \begin{array}{rcl} 3 \cdot x - 19 & = & -7 \\ 3 \cdot x - 19 & = & -7 \quad +19 \\ 3 \cdot x & = & 12 \quad : (3) \\ x & = & 4 \end{array} $ Probe: $ \begin{array}{rcl} 3 \cdot x - 19 & = & -7 \\ 3 \cdot (4) - 19 & = & -7 \\ 12 - 19 & = & -7 \\ -7 & = & -7 \end{array} $	n)	$ \begin{array}{rcl} 2 \cdot x - 2 & = & 10 \\ 2 \cdot x - 2 & = & 10 \quad +2 \\ 2 \cdot x & = & 12 \quad : (2) \\ x & = & 6 \end{array} $ Probe: $ \begin{array}{rcl} 2 \cdot x - 2 & = & 10 \\ 2 \cdot (6) - 2 & = & 10 \\ 12 - 2 & = & 10 \\ 10 & = & 10 \end{array} $
o)	$ \begin{array}{rcl} 3 \cdot y - 12 & = & 15 \\ 3 \cdot y - 12 & = & 15 \quad +12 \\ 3 \cdot y & = & 27 \quad : (3) \\ y & = & 9 \end{array} $ Probe: $ \begin{array}{rcl} 3 \cdot y - 12 & = & 15 \\ 3 \cdot (9) - 12 & = & 15 \\ 27 - 12 & = & 15 \\ 15 & = & 15 \end{array} $	p)	$ \begin{array}{rcl} 6 \cdot b - 18 & = & 6 \\ 6 \cdot b - 18 & = & 6 \quad +18 \\ 6 \cdot b & = & 24 \quad : (6) \\ b & = & 4 \end{array} $ Probe: $ \begin{array}{rcl} 6 \cdot b - 18 & = & 6 \\ 6 \cdot (4) - 18 & = & 6 \\ 24 - 18 & = & 6 \\ 6 & = & 6 \end{array} $
q)	$ \begin{array}{rcl} 8 \cdot a - 14 & = & 50 \\ 8 \cdot a - 14 & = & 50 \quad +14 \\ 8 \cdot a & = & 64 \quad : (8) \\ a & = & 8 \end{array} $ Probe: $ \begin{array}{rcl} 8 \cdot a - 14 & = & 50 \\ 8 \cdot (8) - 14 & = & 50 \\ 64 - 14 & = & 50 \\ 50 & = & 50 \end{array} $	r)	$ \begin{array}{rcl} 8 \cdot x - 20 & = & 44 \\ 8 \cdot x - 20 & = & 44 \quad +20 \\ 8 \cdot x & = & 64 \quad : (8) \\ x & = & 8 \end{array} $ Probe: $ \begin{array}{rcl} 8 \cdot x - 20 & = & 44 \\ 8 \cdot (8) - 20 & = & 44 \\ 64 - 20 & = & 44 \\ 44 & = & 44 \end{array} $

s)	$ \begin{array}{rcl} 10 \cdot b - 15 & = & 25 \\ 10 \cdot b - 15 & = & 25 \quad +15 \\ 10 \cdot b & = & 40 \quad : (10) \\ b & = & 4 \end{array} $ Probe: $ \begin{array}{rcl} 10 \cdot b - 15 & = & 25 \\ 10 \cdot (4) - 15 & = & 25 \\ 40 - 15 & = & 25 \\ 25 & = & 25 \end{array} $	t)	$ \begin{array}{rcl} 3 \cdot b - 18 & = & 0 \\ 3 \cdot b - 18 & = & 0 \quad +18 \\ 3 \cdot b & = & 18 \quad : (3) \\ b & = & 6 \end{array} $ Probe: $ \begin{array}{rcl} 3 \cdot b - 18 & = & 0 \\ 3 \cdot (6) - 18 & = & 0 \\ 18 - 18 & = & 0 \\ 0 & = & 0 \end{array} $
u)	$ \begin{array}{rcl} 2 \cdot x - 9 & = & 9 \\ 2 \cdot x - 9 & = & 9 \quad +9 \\ 2 \cdot x & = & 18 \quad : (2) \\ x & = & 9 \end{array} $ Probe: $ \begin{array}{rcl} 2 \cdot x - 9 & = & 9 \\ 2 \cdot (9) - 9 & = & 9 \\ 18 - 9 & = & 9 \\ 9 & = & 9 \end{array} $	v)	$ \begin{array}{rcl} 9 \cdot x - 7 & = & 74 \\ 9 \cdot x - 7 & = & 74 \quad +7 \\ 9 \cdot x & = & 81 \quad : (9) \\ x & = & 9 \end{array} $ Probe: $ \begin{array}{rcl} 9 \cdot x - 7 & = & 74 \\ 9 \cdot (9) - 7 & = & 74 \\ 81 - 7 & = & 74 \\ 74 & = & 74 \end{array} $
w)	$ \begin{array}{rcl} 5 \cdot x - 6 & = & 44 \\ 5 \cdot x - 6 & = & 44 \quad +6 \\ 5 \cdot x & = & 50 \quad : (5) \\ x & = & 10 \end{array} $ Probe: $ \begin{array}{rcl} 5 \cdot x - 6 & = & 44 \\ 5 \cdot (10) - 6 & = & 44 \\ 50 - 6 & = & 44 \\ 44 & = & 44 \end{array} $	x)	$ \begin{array}{rcl} 4 \cdot x - 4 & = & 8 \\ 4 \cdot x - 4 & = & 8 \quad +4 \\ 4 \cdot x & = & 12 \quad : (4) \\ x & = & 3 \end{array} $ Probe: $ \begin{array}{rcl} 4 \cdot x - 4 & = & 8 \\ 4 \cdot (3) - 4 & = & 8 \\ 12 - 4 & = & 8 \\ 8 & = & 8 \end{array} $
y)	$ \begin{array}{rcl} 6 \cdot a - 15 & = & 15 \\ 6 \cdot a - 15 & = & 15 \quad +15 \\ 6 \cdot a & = & 30 \quad : (6) \\ a & = & 5 \end{array} $ Probe: $ \begin{array}{rcl} 6 \cdot a - 15 & = & 15 \\ 6 \cdot (5) - 15 & = & 15 \\ 30 - 15 & = & 15 \\ 15 & = & 15 \end{array} $	z)	$ \begin{array}{rcl} 3 \cdot b - 10 & = & 8 \\ 3 \cdot b - 10 & = & 8 \quad +10 \\ 3 \cdot b & = & 18 \quad : (3) \\ b & = & 6 \end{array} $ Probe: $ \begin{array}{rcl} 3 \cdot b - 10 & = & 8 \\ 3 \cdot (6) - 10 & = & 8 \\ 18 - 10 & = & 8 \\ 8 & = & 8 \end{array} $