Datum: 08.06.2023

Tägliche Übungen

a)	$a = 5 \rightarrow 5 \cdot a - 3 = ?$	b)	$x = 4 \rightarrow 4 - 4 \cdot x = ?$
c)	$a = -10 \rightarrow 3 \cdot a + 5 \cdot a = ?$	d)	$a = -1 \rightarrow 5 \cdot a - 3 \cdot a = ?$
e)	$a - 40 = 25$	f)	$a - 47 = 24$
g)	$b + 19 = 42$	h)	$a + 1 = 26$
i)	$a + 7 = 9$	j)	$b - 49 = 33$
k)	$b - 1 = 45$	l)	$y + 7 = 40$
m)	$a - 15 = 38$	n)	$b + 36 = 42$
o)	$y - 11 = 6$	p)	$a - 17 = 17$
q)	$a - 17 = 43$	r)	$b + 9 = 10$
s)	$y - 36 = 4$	t)	$b + 50 = 16$
u)	$y - 6 = 3$	v)	$y + 24 = 42$
w)	$b + 26 = 16$	x)	$y + 29 = 46$
y)	$x - 3 = 9$	z)	$x + 24 = 19$

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Lösungen Tägliche Übungen

a)	$a = 5 \rightarrow$ $5 \cdot a - 3 = 5 \cdot 5 - 3 = 22$	b)	$x = 4 \rightarrow$ $4 - 4 \cdot x = 4 - 4 \cdot 4 = -12$
c)	$a = -10 \rightarrow$ $3 \cdot a + 5 \cdot a = 3 \cdot (-10) + 5 \cdot (-10) = -80$	d)	$a = -1 \rightarrow$ $5 \cdot a - 3 \cdot a = 5 \cdot (-1) - 3 \cdot (-1) = -2$
e)	$a - 40 = 25$ $a - 40 = 25 \quad \mid +40$ $a = 65$ Probe: $a - 40 = 25$ $(65) - 40 = 25$ $65 - 40 = 25$ $25 = 25$	f)	$a - 47 = 24$ $a - 47 = 24 \quad \mid +47$ $a = 71$ Probe: $a - 47 = 24$ $(71) - 47 = 24$ $71 - 47 = 24$ $24 = 24$
g)	$b + 19 = 42$ $b + 19 = 42 \quad \mid -19$ $b = 23$ Probe: $b + 19 = 42$ $(23) + 19 = 42$ $23 + 19 = 42$ $42 = 42$	h)	$a + 1 = 26$ $a + 1 = 26 \quad \mid -1$ $a = 25$ Probe: $a + 1 = 26$ $(25) + 1 = 26$ $25 + 1 = 26$ $26 = 26$
i)	$a + 7 = 9$ $a + 7 = 9 \quad \mid -7$ $a = 2$ Probe: $a + 7 = 9$ $(2) + 7 = 9$ $2 + 7 = 9$ $9 = 9$	j)	$b - 49 = 33$ $b - 49 = 33 \quad \mid +49$ $b = 82$ Probe: $b - 49 = 33$ $(82) - 49 = 33$ $82 - 49 = 33$ $33 = 33$
k)	$b - 1 = 45$ $b - 1 = 45 \quad \mid +1$ $b = 46$ Probe: $b - 1 = 45$ $(46) - 1 = 45$ $46 - 1 = 45$ $45 = 45$	l)	$y + 7 = 40$ $y + 7 = 40 \quad \mid -7$ $y = 33$ Probe: $y + 7 = 40$ $(33) + 7 = 40$ $33 + 7 = 40$ $40 = 40$

m)

$$
\begin{aligned}
a - 15 &= 38 \\
a - 15 &= 38 \quad | +15 \\
a &= 53
\end{aligned}
$$

Probe:

$$
\begin{aligned}
a - 15 &= 38 \\
(53) - 15 &= 38 \\
53 - 15 &= 38 \\
38 &= 38
\end{aligned}
$$

n)

$$
\begin{aligned}
b + 36 &= 42 \\
b + 36 &= 42 \quad | -36 \\
b &= 6
\end{aligned}
$$

Probe:

$$
\begin{aligned}
b + 36 &= 42 \\
(6) + 36 &= 42 \\
6 + 36 &= 42 \\
42 &= 42
\end{aligned}
$$

o)

$$
\begin{aligned}
y - 11 &= 6 \\
y - 11 &= 6 \quad | +11 \\
y &= 17
\end{aligned}
$$

Probe:

$$
\begin{aligned}
y - 11 &= 6 \\
(17) - 11 &= 6 \\
17 - 11 &= 6 \\
6 &= 6
\end{aligned}
$$

p)

$$
\begin{aligned}
a - 17 &= 17 \\
a - 17 &= 17 \quad | +17 \\
a &= 34
\end{aligned}
$$

Probe:

$$
\begin{aligned}
a - 17 &= 17 \\
(34) - 17 &= 17 \\
34 - 17 &= 17 \\
17 &= 17
\end{aligned}
$$

q)

$$
\begin{aligned}
a - 17 &= 43 \\
a - 17 &= 43 \quad | +17 \\
a &= 60
\end{aligned}
$$

Probe:

$$
\begin{aligned}
a - 17 &= 43 \\
(60) - 17 &= 43 \\
60 - 17 &= 43 \\
43 &= 43
\end{aligned}
$$

r)

$$
\begin{aligned}
b + 9 &= 10 \\
b + 9 &= 10 \quad | -9 \\
b &= 1
\end{aligned}
$$

Probe:

$$
\begin{aligned}
b + 9 &= 10 \\
(1) + 9 &= 10 \\
1 + 9 &= 10 \\
10 &= 10
\end{aligned}
$$

s)

$$
\begin{aligned}
y - 36 &= 4 \\
y - 36 &= 4 \quad | +36 \\
y &= 40
\end{aligned}
$$

Probe:

$$
\begin{aligned}
y - 36 &= 4 \\
(40) - 36 &= 4 \\
40 - 36 &= 4 \\
4 &= 4
\end{aligned}
$$

t)

$$
\begin{aligned}
b + 50 &= 16 \\
b + 50 &= 16 \quad | -50 \\
b &= -34
\end{aligned}
$$

Probe:

$$
\begin{aligned}
b + 50 &= 16 \\
(-34) + 50 &= 16 \\
-34 + 50 &= 16 \\
16 &= 16
\end{aligned}
$$

u)

$$
\begin{aligned}
y - 6 &= 3 \\
y - 6 &= 3 \quad | +6 \\
y &= 9
\end{aligned}
$$

Probe:

$$
\begin{aligned}
y - 6 &= 3 \\
(9) - 6 &= 3 \\
9 - 6 &= 3 \\
3 &= 3
\end{aligned}
$$

v)

$$
\begin{aligned}
y + 24 &= 42 \\
y + 24 &= 42 \quad | -24 \\
y &= 18
\end{aligned}
$$

Probe:

$$
\begin{aligned}
y + 24 &= 42 \\
(18) + 24 &= 42 \\
18 + 24 &= 42 \\
42 &= 42
\end{aligned}
$$

w)	$b + 26 = 16$ $b + 26 = 16 \quad \mid -26$ $b = -10$ Probe: $b + 26 = 16$ $(-10) + 26 = 16$ $-10 + 26 = 16$ $16 = 16$	x)	$y + 29 = 46$ $y + 29 = 46 \quad \mid -29$ $y = 17$ Probe: $y + 29 = 46$ $(17) + 29 = 46$ $17 + 29 = 46$ $46 = 46$
y)	$x - 3 = 9$ $x - 3 = 9 \quad \mid +3$ $x = 12$ Probe: $x - 3 = 9$ $(12) - 3 = 9$ $12 - 3 = 9$ $9 = 9$	z)	$x + 24 = 19$ $x + 24 = 19 \quad \mid -24$ $x = -5$ Probe: $x + 24 = 19$ $(-5) + 24 = 19$ $-5 + 24 = 19$ $19 = 19$