

## Tägliche Übungen

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|----|--|----|--|
| a) | Berechne die Variable<br>$14 \cdot y - 10 = 74$  | b) | Berechne die Variable<br>$14 \cdot y - 16 = 110$ |
| c) | Berechne die Variable<br>$12 \cdot b - 9 = 111$  | d) | Berechne die Variable<br>$13 \cdot x - 7 = 110$  |
| e) | Berechne die Variable<br>$6 \cdot a - 16 = 2$    | f) | Berechne die Variable<br>$7 \cdot b - 9 = 75$    |
| g) | Berechne die Variable<br>$10 \cdot a - 20 = 100$ | h) | Berechne die Variable<br>$3 \cdot y - 19 = -13$  |
| i) | Berechne die Variable<br>$9 \cdot x - 20 = 61$   | j) | Berechne die Variable<br>$2 \cdot y - 6 = 10$    |
| k) | Berechne die Variable<br>$10 \cdot b - 10 = 100$ | l) | Berechne die Variable<br>$15 \cdot a - 9 = 141$  |
| m) | Berechne die Variable<br>$6 \cdot y - 7 = 59$    | n) | Berechne die Variable<br>$5 \cdot b - 13 = 2$    |

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| o) | Berechne die Variable<br>$13 \cdot x - 13 = 91$ | p) | Berechne die Variable<br>$14 \cdot a - 14 = 84$  |
| q) | Berechne die Variable<br>$6 \cdot b - 13 = 17$  | r) | Berechne die Variable<br>$3 \cdot a - 4 = 11$    |
| s) | Berechne die Variable<br>$2 \cdot x - 5 = 15$   | t) | Berechne die Variable<br>$9 \cdot y - 12 = 42$   |
| u) | Berechne die Variable<br>$7 \cdot b - 3 = 53$   | v) | Berechne die Variable<br>$15 \cdot b - 16 = 134$ |
| w) | Berechne die Variable<br>$8 \cdot y - 11 = 85$  | x) | Berechne die Variable<br>$15 \cdot x - 14 = 106$ |
| y) | Berechne die Variable<br>$5 \cdot a - 3 = 7$    | z) | Berechne die Variable<br>$14 \cdot b - 12 = 114$ |

## Lösungen Tägliche Übungen

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| a) | $14 \cdot y - 10 = 74$ $14 \cdot y - 10 = 74 \quad   +10$ $14 \cdot y = 84 \quad  : (14)$ $y = 6$<br>Probe: $14 \cdot y - 10 = 74$<br>$14 \cdot (6) - 10 = 74$<br>$84 - 10 = 74$<br>$74 = 74$            | b) | $14 \cdot y - 16 = 110$ $14 \cdot y - 16 = 110 \quad   +16$ $14 \cdot y = 126 \quad  : (14)$ $y = 9$<br>Probe: $14 \cdot y - 16 = 110$<br>$14 \cdot (9) - 16 = 110$<br>$126 - 16 = 110$<br>$110 = 110$ |
| c) | $12 \cdot b - 9 = 111$ $12 \cdot b - 9 = 111 \quad   +9$ $12 \cdot b = 120 \quad  : (12)$ $b = 10$<br>Probe: $12 \cdot b - 9 = 111$<br>$12 \cdot (10) - 9 = 111$<br>$120 - 9 = 111$<br>$111 = 111$       | d) | $13 \cdot x - 7 = 110$ $13 \cdot x - 7 = 110 \quad   +7$ $13 \cdot x = 117 \quad  : (13)$ $x = 9$<br>Probe: $13 \cdot x - 7 = 110$<br>$13 \cdot (9) - 7 = 110$<br>$117 - 7 = 110$<br>$110 = 110$       |
| e) | $6 \cdot a - 16 = 2$ $6 \cdot a - 16 = 2 \quad   +16$ $6 \cdot a = 18 \quad  : (6)$ $a = 3$<br>Probe: $6 \cdot a - 16 = 2$<br>$6 \cdot (3) - 16 = 2$<br>$18 - 16 = 2$<br>$2 = 2$                         | f) | $7 \cdot b - 9 = 75$ $7 \cdot b - 9 = 75 \quad   +9$ $7 \cdot b = 84 \quad  : (7)$ $b = 12$<br>Probe: $7 \cdot b - 9 = 75$<br>$7 \cdot (12) - 9 = 75$<br>$84 - 9 = 75$<br>$75 = 75$                    |
| g) | $10 \cdot a - 20 = 100$ $10 \cdot a - 20 = 100 \quad   +20$ $10 \cdot a = 120 \quad  : (10)$ $a = 12$<br>Probe: $10 \cdot a - 20 = 100$<br>$10 \cdot (12) - 20 = 100$<br>$120 - 20 = 100$<br>$100 = 100$ | h) | $3 \cdot y - 19 = -13$ $3 \cdot y - 19 = -13 \quad   +19$ $3 \cdot y = 6 \quad  : (3)$ $y = 2$<br>Probe: $3 \cdot y - 19 = -13$<br>$3 \cdot (2) - 19 = -13$<br>$6 - 19 = -13$<br>$-13 = -13$           |

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| i) | $  \begin{array}{rcl}  9 \cdot x - 20 & = & 61 \\  9 \cdot x - 20 & = & 61 \quad   +20 \\  9 \cdot x & = & 81 \quad  : (9) \\  x & = & 9  \end{array}  $<br>Probe: $  \begin{array}{rcl}  9 \cdot x - 20 & = & 61 \\  9 \cdot (9) - 20 & = & 61 \\  81 - 20 & = & 61 \\  61 & = & 61  \end{array}  $                  | j) | $  \begin{array}{rcl}  2 \cdot y - 6 & = & 10 \\  2 \cdot y - 6 & = & 10 \quad   +6 \\  2 \cdot y & = & 16 \quad  : (2) \\  y & = & 8  \end{array}  $<br>Probe: $  \begin{array}{rcl}  2 \cdot y - 6 & = & 10 \\  2 \cdot (8) - 6 & = & 10 \\  16 - 6 & = & 10 \\  10 & = & 10  \end{array}  $                  |
| k) | $  \begin{array}{rcl}  10 \cdot b - 10 & = & 100 \\  10 \cdot b - 10 & = & 100 \quad   +10 \\  10 \cdot b & = & 110 \quad  : (10) \\  b & = & 11  \end{array}  $<br>Probe: $  \begin{array}{rcl}  10 \cdot b - 10 & = & 100 \\  10 \cdot (11) - 10 & = & 100 \\  110 - 10 & = & 100 \\  100 & = & 100  \end{array}  $ | l) | $  \begin{array}{rcl}  15 \cdot a - 9 & = & 141 \\  15 \cdot a - 9 & = & 141 \quad   +9 \\  15 \cdot a & = & 150 \quad  : (15) \\  a & = & 10  \end{array}  $<br>Probe: $  \begin{array}{rcl}  15 \cdot a - 9 & = & 141 \\  15 \cdot (10) - 9 & = & 141 \\  150 - 9 & = & 141 \\  141 & = & 141  \end{array}  $ |
| m) | $  \begin{array}{rcl}  6 \cdot y - 7 & = & 59 \\  6 \cdot y - 7 & = & 59 \quad   +7 \\  6 \cdot y & = & 66 \quad  : (6) \\  y & = & 11  \end{array}  $<br>Probe: $  \begin{array}{rcl}  6 \cdot y - 7 & = & 59 \\  6 \cdot (11) - 7 & = & 59 \\  66 - 7 & = & 59 \\  59 & = & 59  \end{array}  $                      | n) | $  \begin{array}{rcl}  5 \cdot b - 13 & = & 2 \\  5 \cdot b - 13 & = & 2 \quad   +13 \\  5 \cdot b & = & 15 \quad  : (5) \\  b & = & 3  \end{array}  $<br>Probe: $  \begin{array}{rcl}  5 \cdot b - 13 & = & 2 \\  5 \cdot (3) - 13 & = & 2 \\  15 - 13 & = & 2 \\  2 & = & 2  \end{array}  $                   |
| o) | $  \begin{array}{rcl}  13 \cdot x - 13 & = & 91 \\  13 \cdot x - 13 & = & 91 \quad   +13 \\  13 \cdot x & = & 104 \quad  : (13) \\  x & = & 8  \end{array}  $<br>Probe: $  \begin{array}{rcl}  13 \cdot x - 13 & = & 91 \\  13 \cdot (8) - 13 & = & 91 \\  104 - 13 & = & 91 \\  91 & = & 91  \end{array}  $          | p) | $  \begin{array}{rcl}  14 \cdot a - 14 & = & 84 \\  14 \cdot a - 14 & = & 84 \quad   +14 \\  14 \cdot a & = & 98 \quad  : (14) \\  a & = & 7  \end{array}  $<br>Probe: $  \begin{array}{rcl}  14 \cdot a - 14 & = & 84 \\  14 \cdot (7) - 14 & = & 84 \\  98 - 14 & = & 84 \\  84 & = & 84  \end{array}  $      |

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| q) | $ \begin{array}{rcl} 6 \cdot b - 13 & = & 17 \\ 6 \cdot b - 13 & = & 17 \quad   +13 \\ 6 \cdot b & = & 30 \quad  : (6) \\ b & = & 5 \end{array} $<br>Probe: $ \begin{array}{rcl} 6 \cdot b - 13 & = & 17 \\ 6 \cdot (5) - 13 & = & 17 \\ 30 - 13 & = & 17 \\ 17 & = & 17 \end{array} $   | r) | $ \begin{array}{rcl} 3 \cdot a - 4 & = & 11 \\ 3 \cdot a - 4 & = & 11 \quad   +4 \\ 3 \cdot a & = & 15 \quad  : (3) \\ a & = & 5 \end{array} $<br>Probe: $ \begin{array}{rcl} 3 \cdot a - 4 & = & 11 \\ 3 \cdot (5) - 4 & = & 11 \\ 15 - 4 & = & 11 \\ 11 & = & 11 \end{array} $                        |
| s) | $ \begin{array}{rcl} 2 \cdot x - 5 & = & 15 \\ 2 \cdot x - 5 & = & 15 \quad   +5 \\ 2 \cdot x & = & 20 \quad  : (2) \\ x & = & 10 \end{array} $<br>Probe: $ \begin{array}{rcl} 2 \cdot x - 5 & = & 15 \\ 2 \cdot (10) - 5 & = & 15 \\ 20 - 5 & = & 15 \\ 15 & = & 15 \end{array} $       | t) | $ \begin{array}{rcl} 9 \cdot y - 12 & = & 42 \\ 9 \cdot y - 12 & = & 42 \quad   +12 \\ 9 \cdot y & = & 54 \quad  : (9) \\ y & = & 6 \end{array} $<br>Probe: $ \begin{array}{rcl} 9 \cdot y - 12 & = & 42 \\ 9 \cdot (6) - 12 & = & 42 \\ 54 - 12 & = & 42 \\ 42 & = & 42 \end{array} $                  |
| u) | $ \begin{array}{rcl} 7 \cdot b - 3 & = & 53 \\ 7 \cdot b - 3 & = & 53 \quad   +3 \\ 7 \cdot b & = & 56 \quad  : (7) \\ b & = & 8 \end{array} $<br>Probe: $ \begin{array}{rcl} 7 \cdot b - 3 & = & 53 \\ 7 \cdot (8) - 3 & = & 53 \\ 56 - 3 & = & 53 \\ 53 & = & 53 \end{array} $         | v) | $ \begin{array}{rcl} 15 \cdot b - 16 & = & 134 \\ 15 \cdot b - 16 & = & 134 \quad   +16 \\ 15 \cdot b & = & 150 \quad  : (15) \\ b & = & 10 \end{array} $<br>Probe: $ \begin{array}{rcl} 15 \cdot b - 16 & = & 134 \\ 15 \cdot (10) - 16 & = & 134 \\ 150 - 16 & = & 134 \\ 134 & = & 134 \end{array} $ |
| w) | $ \begin{array}{rcl} 8 \cdot y - 11 & = & 85 \\ 8 \cdot y - 11 & = & 85 \quad   +11 \\ 8 \cdot y & = & 96 \quad  : (8) \\ y & = & 12 \end{array} $<br>Probe: $ \begin{array}{rcl} 8 \cdot y - 11 & = & 85 \\ 8 \cdot (12) - 11 & = & 85 \\ 96 - 11 & = & 85 \\ 85 & = & 85 \end{array} $ | x) | $ \begin{array}{rcl} 15 \cdot x - 14 & = & 106 \\ 15 \cdot x - 14 & = & 106 \quad   +14 \\ 15 \cdot x & = & 120 \quad  : (15) \\ x & = & 8 \end{array} $<br>Probe: $ \begin{array}{rcl} 15 \cdot x - 14 & = & 106 \\ 15 \cdot (8) - 14 & = & 106 \\ 120 - 14 & = & 106 \\ 106 & = & 106 \end{array} $   |

