

Mengenlehre

Lösungen+

Übungsblatt 1

- | | | |
|--|---|-------------------------|
| 1. $A = \{8, 3, 9, 17\}$ | 8 <input type="checkbox"/> \in A | $ A = 4$ |
| 2. $B = \{4, 7\}$ | 3 <input type="checkbox"/> \notin B | $ B = 2$ |
| 3. $C = \{0, 1, 2\}$ | 0 <input type="checkbox"/> \in C | $ C = 3$ |
| 4. $D = \{a, c, m, f\}$ | 1 <input type="checkbox"/> \notin D | $ D = 4$ |
| 5. $E = \{ \}$ | 0 <input type="checkbox"/> \notin E | $ E = 0$ |
| 6. $F = \{2, 4, 6, 8, \dots\}$ | 17 <input type="checkbox"/> \notin F | $ F = \infty$ |
| 7. $G = \{9\}$ | 9 <input type="checkbox"/> \in G | $ G = 1$ |
| 8. $H = \{-4, -3, -10, 5\}$ | 4 <input type="checkbox"/> \notin H | $ H = 4$ |
| 9. $I = \{u, v, w, x, y, z\}$ | x <input type="checkbox"/> \in I | $ I = 6$ |
| 10. $J = \{5, 6, 7, \dots, 12, 13\}$ | 9 <input type="checkbox"/> \in J | $ J = 9$ |
| 11. $K = \{14, -7, 21\}$ | -7 <input type="checkbox"/> \in K | $ K = 3$ |
| 12. $L = \{111\}$ | 1 <input type="checkbox"/> \notin L | $ L = 1$ |
| 13. $M = \{\text{Pia, Alex, Liz}\}$ | Tim <input type="checkbox"/> \notin M | $ M = 3$ |
| 14. $\mathbb{N} = \{1, 2, 3, 4, \dots\}$ | 379 <input type="checkbox"/> \in \mathbb{N} | $ \mathbb{N} = \infty$ |
| 15. $O = \{3, 6, 9, \dots, 21\}$ | 16 <input type="checkbox"/> \notin O | $ O = 7$ |
| 16. $P = \{0\}$ | 0 <input type="checkbox"/> \in P | $ P = 1$ |
| 17. $Q = \{-5, -10, -15, \dots\}$ | -305 <input type="checkbox"/> \in Q | $ Q = \infty$ |
| 18. $R = \{\frac{1}{2}, \frac{3}{2}, \frac{5}{2}, \dots, \frac{19}{2}\}$ | 4.5 <input type="checkbox"/> \in R | $ R = 7$ |