

# Lösungen

## Gleichungen lösen, F 20

$$\begin{array}{l} 1 \text{ a) } \quad x + 2 = 9 \quad | - 2 \\ \quad \quad x + 2 - 2 = 9 - 2 \\ \quad \quad \quad x = 7 \end{array}$$

$$\begin{array}{l} \text{b) } \quad \quad x + 12 = 20 \quad | - 12 \\ \quad \quad x + 12 - 12 = 20 - 12 \\ \quad \quad \quad x = 8 \end{array}$$

$$\begin{array}{l} \text{c) } \quad \quad x + 60 = 80 \quad | - 60 \\ \quad \quad x + 60 - 60 = 80 - 60 \\ \quad \quad \quad x = 20 \end{array}$$

$$\begin{array}{l} 2 \text{ b) } \quad x - 10 = 15 \quad | + 10 \\ \quad \quad x - 10 + 10 = 15 + 10 \\ \quad \quad \quad x = 25 \end{array}$$

$$\begin{array}{l} \text{c) } \quad \quad x - 17 = 22 \quad | + 17 \\ \quad \quad x - 17 + 17 = 22 + 17 \\ \quad \quad \quad x = 39 \end{array}$$

$$\begin{array}{l} 3 \text{ b) } \quad \quad 5x = 30 \quad | : 5 \\ \quad \quad 5x : 5 = 30 : 5 \\ \quad \quad \quad x = 6 \end{array}$$

$$\begin{array}{l} \text{c) } \quad \quad 7x = 49 \quad | : 7 \\ \quad \quad 7x : 7 = 49 : 7 \\ \quad \quad \quad x = 7 \end{array}$$

$$4 \text{ a) } 2x = 22$$

$$\text{c) } x : 2 = 100$$

$$\text{b) } x - 12 = 11$$

$$\text{d) } x + 5 - 3 = 10$$