Lösungen zu Subtraktion:

Übungen: a) $x+2500=32000$

b) $4\frac{1}{7}=5\frac{2}{3}+y$

c) $-1{,}21=\beta+3{,}07$

d) $22+\theta=8\frac{2}{13}$

zu a)

$$\begin{aligned} & x+2500=32000 && \mid -2500 \\ \Leftrightarrow\ & x+2500-2500=32000-2500 \\ \Leftrightarrow\ & x=29500 \\ \Rightarrow\ & L=\{29500\} \end{aligned}$$

zu b)

$$\begin{aligned} & 4\frac{1}{7}=5\frac{2}{3}+y && \mid -5\frac{2}{3} \\ \Leftrightarrow\ & 4\frac{1}{7}-5\frac{2}{3}=5\frac{2}{3}+y-5\frac{2}{3} \\ \Leftrightarrow\ & \frac{29\cdot 3}{7\cdot 3}-\frac{17\cdot 7}{3\cdot 7}=y \quad \textit{(gemeinsamer Nenner)} \\ \Leftrightarrow\ & -\frac{32}{21}=y \\ \Rightarrow\ & L=\left\{-\frac{32}{21}\right\} \end{aligned}$$

zu c)

$$\begin{aligned} & -1{,}21=\beta+3{,}07 && \mid -3{,}07 \\ \Leftrightarrow\ & -1{,}21-3{,}07=\beta+3{,}07-3{,}07 \\ \Leftrightarrow\ & -4{,}28=\beta \\ \Rightarrow\ & L=\{-4{,}28\} \end{aligned}$$

zu d)

$$22+\theta=8\frac{2}{13} \qquad |-22$$

$$\Leftrightarrow \quad 22+\theta-22=8\frac{2}{13}-22$$

$$\Leftrightarrow \quad \theta=-13\frac{11}{13}$$

$$\Rightarrow \quad L=\left\{-13\frac{11}{13}\right\}$$

