

# Rechnen mit Uhrzeit und Winkel

Wie viele Grade rückt der Minutenzeiger in ... Minuten vor? (e = entsprechen)

$$\begin{array}{ll} 1 \quad 28 \text{ min} & e \underline{\hspace{2cm}} 168^\circ \\ 36 \text{ min} & e \underline{\hspace{2cm}} 216^\circ \\ 12 \text{ min} & e \underline{\hspace{2cm}} 72^\circ \\ 34 \text{ min} & e \underline{\hspace{2cm}} 204^\circ \end{array}$$

$$\begin{array}{ll} 2 \quad 58 \text{ min} & e \underline{\hspace{2cm}} 348^\circ \\ 30 \text{ min} & e \underline{\hspace{2cm}} 180^\circ \\ 44 \text{ min} & e \underline{\hspace{2cm}} 264^\circ \\ 48 \text{ min} & e \underline{\hspace{2cm}} 288^\circ \end{array}$$

$$\begin{array}{ll} 3 \quad 42^\circ & e \underline{\hspace{2cm}} 7 \text{ min} \\ 48^\circ & e \underline{\hspace{2cm}} 8 \text{ min} \\ 48^\circ & e \underline{\hspace{2cm}} 8 \text{ min} \\ 48^\circ & e \underline{\hspace{2cm}} 8 \text{ min} \end{array}$$

$$\begin{array}{ll} 4 \quad 8 \text{ min} & e \underline{\hspace{2cm}} 48^\circ \\ 38 \text{ min} & e \underline{\hspace{2cm}} 228^\circ \\ 56 \text{ min} & e \underline{\hspace{2cm}} 336^\circ \\ 111 \text{ min} & e \underline{\hspace{2cm}} 666^\circ \end{array}$$

$$\begin{array}{ll} 5 \quad 45 \text{ min} & e \underline{\hspace{2cm}} 270^\circ \\ 39 \text{ min} & e \underline{\hspace{2cm}} 234^\circ \\ 27 \text{ min} & e \underline{\hspace{2cm}} 162^\circ \\ 56 \text{ min} & e \underline{\hspace{2cm}} 336^\circ \end{array}$$

$$\begin{array}{ll} 6 \quad 18^\circ & e \underline{\hspace{2cm}} 3 \text{ min} \\ 54^\circ & e \underline{\hspace{2cm}} 9 \text{ min} \\ 60^\circ & e \underline{\hspace{2cm}} 10 \text{ min} \\ 18^\circ & e \underline{\hspace{2cm}} 3 \text{ min} \end{array}$$

$$\begin{array}{ll} 7 \quad 6 \text{ min} & e \underline{\hspace{2cm}} 36^\circ \\ 29 \text{ min} & e \underline{\hspace{2cm}} 174^\circ \\ 37 \text{ min} & e \underline{\hspace{2cm}} 222^\circ \\ 55 \text{ min} & e \underline{\hspace{2cm}} 330^\circ \end{array}$$

$$\begin{array}{ll} 8 \quad 39 \text{ min} & e \underline{\hspace{2cm}} 234^\circ \\ 49 \text{ min} & e \underline{\hspace{2cm}} 294^\circ \\ 49 \text{ min} & e \underline{\hspace{2cm}} 294^\circ \\ 35 \text{ min} & e \underline{\hspace{2cm}} 210^\circ \end{array}$$

$$\begin{array}{ll} 9 \quad 12^\circ & e \underline{\hspace{2cm}} 2 \text{ min} \\ 60^\circ & e \underline{\hspace{2cm}} 10 \text{ min} \\ 54^\circ & e \underline{\hspace{2cm}} 9 \text{ min} \\ 36^\circ & e \underline{\hspace{2cm}} 6 \text{ min} \end{array}$$

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$$\begin{array}{ll} 10 \quad 34 \text{ min} & e \underline{\hspace{2cm}} 204^\circ \\ 4 \text{ min} & e \underline{\hspace{2cm}} 24^\circ \\ 15 \text{ min} & e \underline{\hspace{2cm}} 90^\circ \\ 2 \text{ min} & e \underline{\hspace{2cm}} 12^\circ \end{array}$$

$$\begin{array}{ll} 11 \quad 54 \text{ min} & e \underline{\hspace{2cm}} 324^\circ \\ 2 \text{ min} & e \underline{\hspace{2cm}} 12^\circ \\ 59 \text{ min} & e \underline{\hspace{2cm}} 354^\circ \\ 18 \text{ min} & e \underline{\hspace{2cm}} 108^\circ \end{array}$$

$$\begin{array}{ll} 12 \quad 24^\circ & e \underline{\hspace{2cm}} 4 \text{ min} \\ 60^\circ & e \underline{\hspace{2cm}} 10 \text{ min} \\ 18^\circ & e \underline{\hspace{2cm}} 3 \text{ min} \\ 6^\circ & e \underline{\hspace{2cm}} 1 \text{ min} \end{array}$$

$$\begin{array}{ll} 13 \quad 46 \text{ min} & e \underline{\hspace{2cm}} 276^\circ \\ 27 \text{ min} & e \underline{\hspace{2cm}} 162^\circ \\ 17 \text{ min} & e \underline{\hspace{2cm}} 102^\circ \\ 106 \text{ min} & e \underline{\hspace{2cm}} 636^\circ \end{array}$$

$$\begin{array}{ll} 14 \quad 50 \text{ min} & e \underline{\hspace{2cm}} 300^\circ \\ 20 \text{ min} & e \underline{\hspace{2cm}} 120^\circ \\ 35 \text{ min} & e \underline{\hspace{2cm}} 210^\circ \\ 31 \text{ min} & e \underline{\hspace{2cm}} 186^\circ \end{array}$$

$$\begin{array}{ll} 15 \quad 12^\circ & e \underline{\hspace{2cm}} 2 \text{ min} \\ 12^\circ & e \underline{\hspace{2cm}} 2 \text{ min} \\ 42^\circ & e \underline{\hspace{2cm}} 7 \text{ min} \\ 24^\circ & e \underline{\hspace{2cm}} 4 \text{ min} \end{array}$$

$$\begin{array}{ll} 16 \quad 6 \text{ min} & e \underline{\hspace{2cm}} 36^\circ \\ 10 \text{ min} & e \underline{\hspace{2cm}} 60^\circ \\ 3 \text{ min} & e \underline{\hspace{2cm}} 18^\circ \\ 27 \text{ min} & e \underline{\hspace{2cm}} 162^\circ \end{array}$$

$$\begin{array}{ll} 17 \quad 29 \text{ min} & e \underline{\hspace{2cm}} 174^\circ \\ 44 \text{ min} & e \underline{\hspace{2cm}} 264^\circ \\ 45 \text{ min} & e \underline{\hspace{2cm}} 270^\circ \\ 44 \text{ min} & e \underline{\hspace{2cm}} 264^\circ \end{array}$$

$$\begin{array}{ll} 18 \quad 36^\circ & e \underline{\hspace{2cm}} 6 \text{ min} \\ 6^\circ & e \underline{\hspace{2cm}} 1 \text{ min} \\ 30^\circ & e \underline{\hspace{2cm}} 5 \text{ min} \\ 36^\circ & e \underline{\hspace{2cm}} 6 \text{ min} \end{array}$$