



Ángulos (sumas y restas)

Solución

♠ $26^{\circ} 39' 55'' + 98^{\circ} 46' 17'' \rightarrow 125^{\circ} 26' 12''$

$$\begin{array}{r} 26^{\circ} \quad 39' \quad 55'' \\ + \quad 98^{\circ} \quad 46' \quad 17'' \\ \hline 124^{\circ} \quad 85' \quad 72'' \\ + \quad 1^{\circ} \quad + \quad 1' \quad - \quad 60'' \\ \hline 125^{\circ} \quad 86' \quad 12'' \\ - \quad 60' \\ \hline 26' \end{array}$$

♠ $59^{\circ} 38'' - 53^{\circ} 16' 47'' \rightarrow 5^{\circ} 43' 51''$

$$\begin{array}{r} 125^{\circ} \quad 59' \quad 98'' \\ - \quad 59^{\circ} \quad 60' \quad 38'' \\ \hline 53^{\circ} \quad 16' \quad 47'' \\ \hline 5^{\circ} \quad 43' \quad 51'' \end{array}$$

♠ $240^{\circ} 42' 13'' + 27^{\circ} 51' 40'' \rightarrow 268^{\circ} 33' 53''$

$$\begin{array}{r} 240^{\circ} \quad 42' \quad 13'' \\ + \quad 27^{\circ} \quad 51' \quad 40'' \\ \hline 267^{\circ} \quad 93' \quad 53'' \\ + \quad 1^{\circ} \quad - \quad 60' \\ \hline 268^{\circ} \quad 33' \end{array}$$

♠ $320^{\circ} 5' 10'' - 173^{\circ} 14' 56'' \rightarrow 146^{\circ} 50' 14''$

$$\begin{array}{r} 319^{\circ} \quad 64' \quad 70'' \\ - \quad 320^{\circ} \quad 5' \quad 10'' \\ \hline 173^{\circ} \quad 14' \quad 56'' \\ \hline 146^{\circ} \quad 50' \quad 14'' \end{array}$$



$$\spadesuit 175^\circ 41' 23'' + 100^\circ 58' 39'' \rightarrow 276^\circ 40' 2''$$

$$\begin{array}{r}
 175^\circ \quad 41' \quad 23'' \\
 + \quad 100^\circ \quad 58' \quad 39'' \\
 \hline
 275^\circ \quad 99' \quad 62'' \\
 + \quad 1^\circ \quad + \quad 1' \quad - \quad 60'' \\
 \hline
 276^\circ \quad 100' \quad 2'' \\
 \quad \quad - \quad 60' \\
 \hline
 \quad \quad 40'
 \end{array}$$

$$\spadesuit 126^\circ 13' 32'' - 45^\circ 50' 40'' \rightarrow 80^\circ 22' 52''$$

$$\begin{array}{r}
 72' \\
 125^\circ \quad 12' \quad 92'' \\
 - \quad 45^\circ \quad 50' \quad 40'' \\
 \hline
 80^\circ \quad 22' \quad 52''
 \end{array}$$

$$\spadesuit 223^\circ 36' 25'' + 100^\circ 52' 49'' \rightarrow 324^\circ 29' 14''$$

$$\begin{array}{r}
 223^\circ \quad 36' \quad 25'' \\
 + \quad 100^\circ \quad 52' \quad 49'' \\
 \hline
 323^\circ \quad 88' \quad 74'' \\
 + \quad 1^\circ \quad + \quad 1' \quad - \quad 60'' \\
 \hline
 324^\circ \quad 89' \quad 14'' \\
 \quad \quad - \quad 60' \\
 \hline
 \quad \quad 29'
 \end{array}$$

$$\spadesuit 86^\circ 17' - 61^\circ 42' 10'' \rightarrow 24^\circ 34' 50''$$

$$\begin{array}{r}
 72' \\
 125^\circ \quad 12' \quad 60'' \\
 - \quad 61^\circ \quad 42' \quad 10'' \\
 \hline
 24^\circ \quad 34' \quad 50''
 \end{array}$$



$$\spadesuit \ 216^\circ \ 72' \ 25'' + 72^\circ \ 21' \ 46'' \rightarrow 289^\circ \ 34' \ 11''$$

$$\begin{array}{r}
 \begin{array}{r}
 216^\circ \quad 72' \quad 25'' \\
 + \quad 72^\circ \quad 21' \quad 46'' \\
 \hline
 288^\circ \quad 93' \quad 71'' \\
 + \quad 1^\circ \quad + \quad 1' \quad - \quad 60'' \\
 \hline
 289^\circ \quad 94' \quad 11'' \\
 - \quad 60' \\
 \hline
 34'
 \end{array}
 \end{array}$$

$$\spadesuit \ 177^\circ \ 49' \ 19'' - 141^\circ \ 25' \ 29'' \rightarrow 36^\circ \ 23' \ 50''$$

$$\begin{array}{r}
 \begin{array}{r}
 177^\circ \quad 48' \quad 79'' \\
 - \quad 141^\circ \quad 25' \quad 29'' \\
 \hline
 36^\circ \quad 23' \quad 50''
 \end{array}
 \end{array}$$

$$\spadesuit \ 171^\circ \ 48' + 116^\circ \ 35' \ 8'' \rightarrow 288^\circ \ 23' \ 8''$$

$$\begin{array}{r}
 \begin{array}{r}
 171^\circ \quad 48' \\
 + \quad 116^\circ \quad 35' \quad 8'' \\
 \hline
 287^\circ \quad 83' \quad 8'' \\
 + \quad 1^\circ \quad - \quad 60' \\
 \hline
 288^\circ \quad 23'
 \end{array}
 \end{array}$$

$$\spadesuit \ 330^\circ \ 54' \ 31'' - 271^\circ \ 32' \ 45'' \rightarrow 69^\circ \ 21' \ 46''$$

$$\begin{array}{r}
 \begin{array}{r}
 330^\circ \quad 53' \quad 91'' \\
 - \quad 271^\circ \quad 32' \quad 45'' \\
 \hline
 69^\circ \quad 21' \quad 46''
 \end{array}
 \end{array}$$

