

## Počítání s úhly – jednotky úhlu

### Výklad

stupně..... °

úhlová minuta..... ' ..... 1° = 60'

úhlová vteřina..... '' ..... 1' = 60''

?1)  $69^\circ = \underline{\quad\quad}'$

$$69^\circ = 69 \cdot 60 = \underline{\underline{4140'}}$$

?2)  $37^\circ 24' = \underline{\quad\quad}'$

$$37^\circ 24' = 37 \cdot 60 + 24 = \underline{\underline{2244'}}$$

?3)  $34,15^\circ = \underline{\quad}^\circ \underline{\quad}'$

$$34,15^\circ = 34^\circ + 0,15^\circ = 34^\circ + (0,15 \cdot 60)' = \underline{\underline{34^\circ 9'}}$$

?4)  $51,354^\circ = \underline{\quad}^\circ \underline{\quad}' \underline{\quad}''$

$$\begin{aligned} 51,354^\circ &= 51^\circ + 0,354^\circ = 51^\circ + (0,354 \cdot 60)' = 51^\circ 21,24' = 51^\circ 21' + (0,24 \cdot 60)'' = \\ &= \underline{\underline{51^\circ 21' 14,4''}} \end{aligned}$$

?5)  $48^\circ 45' = \underline{\quad\quad}^\circ$

$$48^\circ 45' = 48^\circ + (45 : 60)^\circ = \underline{\underline{48,75^\circ}}$$

?6)  $62^\circ 31' 21'' = \underline{\quad\quad}^\circ$

$$\begin{aligned} 62^\circ 31' 21'' &= 62^\circ 31' + (21 : 60)' = 62^\circ + 31' + 0,35' = 62^\circ 31,35' = \\ &= 62^\circ + (31,35 : 60)^\circ = 62^\circ + 0,5225^\circ = \underline{\underline{62,5225^\circ}} \end{aligned}$$

INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

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### Zadání

$$45^\circ = \underline{\hspace{2cm}}'$$

$$28^\circ = \underline{\hspace{2cm}}'$$

$$13^\circ 27' = \underline{\hspace{2cm}}'$$

$$7^\circ 39' = \underline{\hspace{2cm}}'$$

$$16' = \underline{\hspace{2cm}}''$$

$$41' = \underline{\hspace{2cm}}''$$

$$56,45' = \underline{\hspace{2cm}}''$$

$$23,32' = \underline{\hspace{2cm}}''$$

$$5' 38'' = \underline{\hspace{2cm}}''$$

$$3' 53'' = \underline{\hspace{2cm}}''$$

$$24^\circ 13' 22'' = \underline{\hspace{2cm}}''$$

$$47,15^\circ = \underline{\hspace{2cm}}^\circ$$

$$52,4^\circ = \underline{\hspace{2cm}}^\circ$$

$$29,175^\circ = \underline{\hspace{2cm}}^\circ$$

$$11,9225^\circ = \underline{\hspace{2cm}}^\circ$$

$$33,621^\circ = \underline{\hspace{2cm}}^\circ$$

$$2^\circ 21' = \underline{\hspace{2cm}}^\circ$$

$$44^\circ 48' = \underline{\hspace{2cm}}^\circ$$

$$17^\circ 37' 39'' = \underline{\hspace{2cm}}^\circ$$

$$109^\circ 19' 53,4'' = \underline{\hspace{2cm}}^\circ$$

### Výsledky

2700' ; 1680'

807' ; 459'

960'' ; 2460''

xx'' ; xx''

338'' ; 233''

87202''

47° 09'

52° 24'

29° 10' 30''

11° 55' 21''

33° 37' 15,6''

2,35°

44,8°

17,6275°

109,3315°