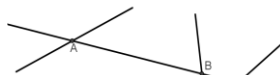


RAČUNANJE S KOTI

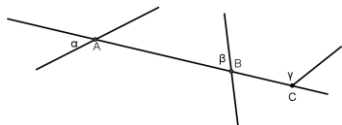
1. Enako velike kote pobarvaj z isto barvo.

Take kote imenujemo _____ koti.



2. Kotom α , β in γ pobarvaj sokote in jih poimenuj α_1 , β_1 in γ_1 .

Kot in sokot merita skupaj _____ .



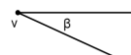
3. Pravilno nariši kote, ki so navedeni v tabeli in napiši, koliko merijo:

IZTEGNJENI KOT	
NIČELNI KOT	
PRAVI KOT	
IZBOČENI KOT	
POLNI KOT	
VDRTI KOT	

3. a) Supplementarna kota sta kota, ki _____ ,

Komplementarna pa sta kota, ki _____ .

b) Kotu α nariši suplementarni kot, kotu β pa komplementarni kot.



5. Pretvori:

a) v kotne minute:

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

$$77^\circ 55' = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

b) v kotne sekunde:

$$45' 7'' = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$35^\circ 9' = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

c) v kotne stopinje in minute:

$$115' = \underline{\hspace{1cm}}^\circ \underline{\hspace{1cm}}'$$

$$738' = \underline{\hspace{1cm}}^\circ \underline{\hspace{1cm}}'$$

6. Izračunaj vsote in razlike naslednjih kotov – če je potrebno, uredi rezultat.

$$16^\circ 2' + 37^\circ 19' =$$

$$28^\circ 34' + 46^\circ 42' =$$

$$93^\circ 18' - 28^\circ 7' =$$

$$34^\circ 36' - 86^\circ 38' =$$

$$146^{\circ}26' + 43^{\circ}52' =$$

$$265^{\circ}14' - 135^{\circ}43' =$$

$$60^{\circ} 12' 31'' + 12^{\circ} 34' 16'' =$$

$$78^{\circ} 15' 12'' + 14^{\circ}37' 55'' =$$

$$80^{\circ}45' 13' - 20^{\circ}32' 55'' =$$

$$45^{\circ} 35' 12'' : 2 =$$

$$12^{\circ}11' 13'' \times 3 =$$

$$(12^{\circ} 15' 24'' + 13^{\circ} 16' 25'' - 11^{\circ} 3' 5'') : 2 =$$

7. Na vsaki domini je zapisana velikost enega kota. Izračunaj velikost drugega tako, da bo :

a) vsota kotov na domini 160°

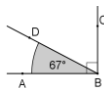
b) vsota kotov na domini pravi kot

c) vsota kotov na domini iztegnjeni kot°

č) vsota kotov na domini polni kot

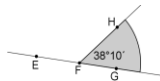
8. Na slikah so skicirani koti in podana je velikost enega kota. Izračunaj velikost kota, ki je zapisan pod sliko.

a)



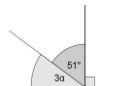
$\sphericalangle DBC =$ _____

b)



$\sphericalangle EFH =$ _____

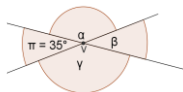
c)



$\alpha =$ _____

č)

Oglej si sliko in izpolni tabelo.



kot	sokota	sovršni kot	velikost kota
π			35°
α			
β			
γ			