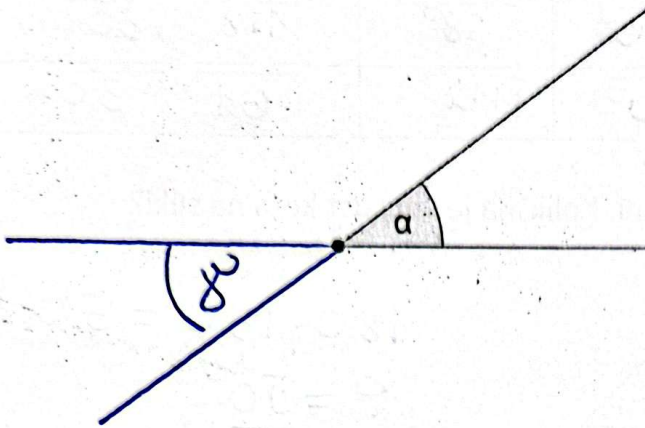
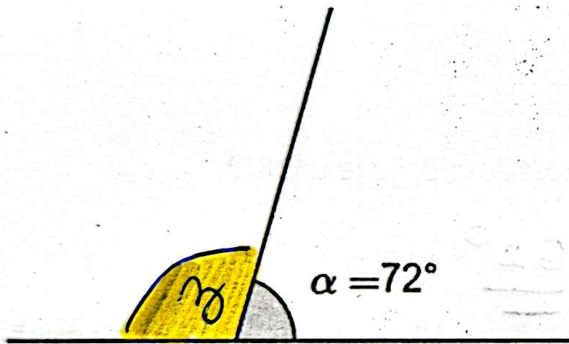


1. Kotu α nariši sovršni kot β in sokot γ .



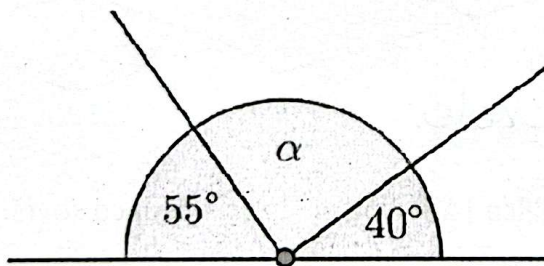
2. Izračunaj velikost sokota kota α , označi ga z grško črko beta in ga pobarvaj.



$$\begin{array}{r} 180 \\ - 72 \\ \hline 108 \\ \hline \end{array}$$

$\beta = \underline{\underline{108^\circ}}$

3. Izračunaj velikost kota α .

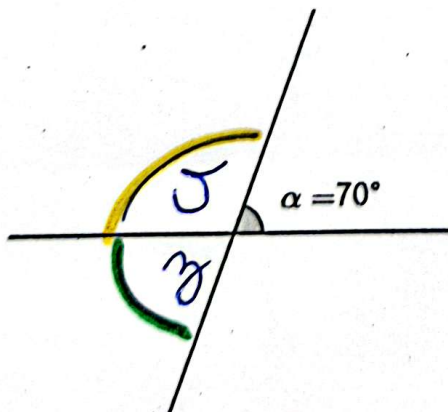


$$\begin{array}{r} 55 \\ + 40 \\ \hline 95 \\ \hline \end{array}$$

$$\begin{array}{r} 180 \\ - 95 \\ \hline 85 \\ \hline \end{array}$$

$\alpha = \underline{\underline{85^\circ}}$

4. Zapiši velikost sovršnega kota β in sokota δ kotu α . Kota označi.



$\beta = \underline{\underline{70^\circ}}$

$\delta = 180 - 70 = \underline{\underline{110^\circ}}$

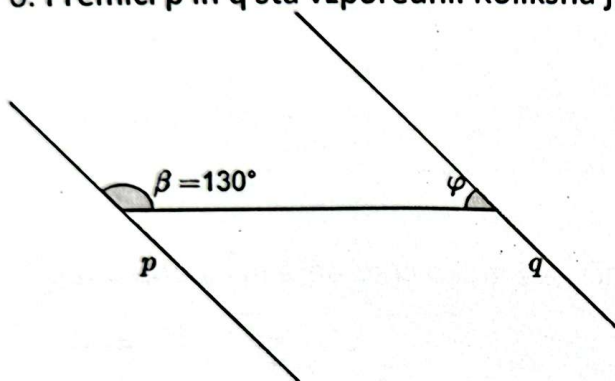
5. Izpolni preglednico za velikost kotov.

Kot	40°	112°	61°30'
Sovršni kot	140°	68°	61°30'
Sokot	140°	68°	118°30'
Izmenični kot	40°	112°	61°30'

$$\begin{array}{r} 179^{\circ} 80' \\ - 61^{\circ} 30' \\ \hline 118^{\circ} 30' \end{array}$$

$$\begin{array}{r} 180 \\ - 112 \\ \hline 68 \end{array}$$

6. Premici p in q sta vzporedni. Kolikšna je velikost kota na sliki?



$$180 - 130 = 50$$

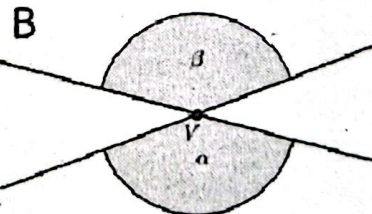
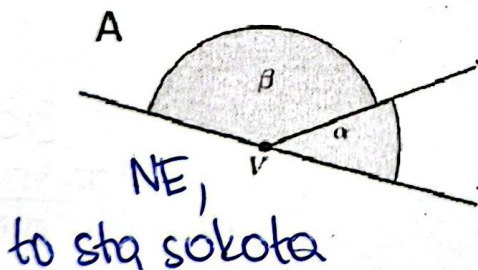
$$\varphi = \underline{\underline{50^{\circ}}}$$

7. Kota α in β sta sokota. Kolikšna je velikost kota β , če je $\alpha = 18^{\circ}$?

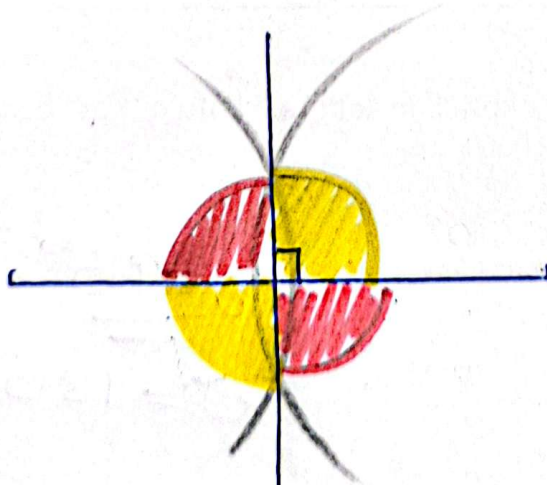
$$\begin{array}{r} 180 \\ - 18 \\ \hline 162 \end{array}$$

$$\beta = \underline{\underline{162^{\circ}}}$$

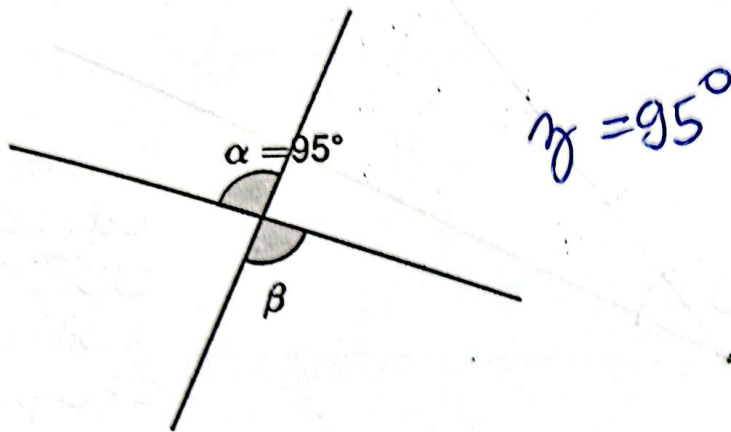
8. Ali sta narisana kota sovrsna kota ali sokota? Odgovor utemelji.



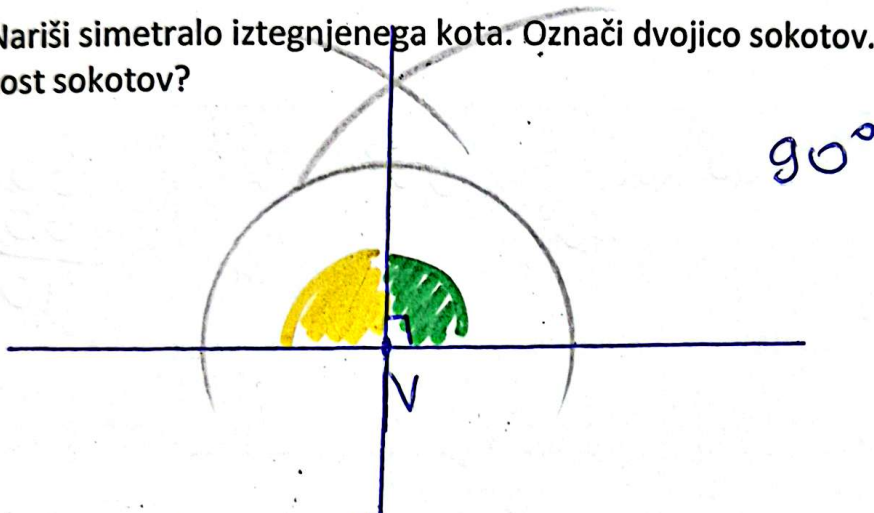
9. Nariši simetralo daljice $|AB| = 5$ cm. Označi dvojico sovrsnih kotov.



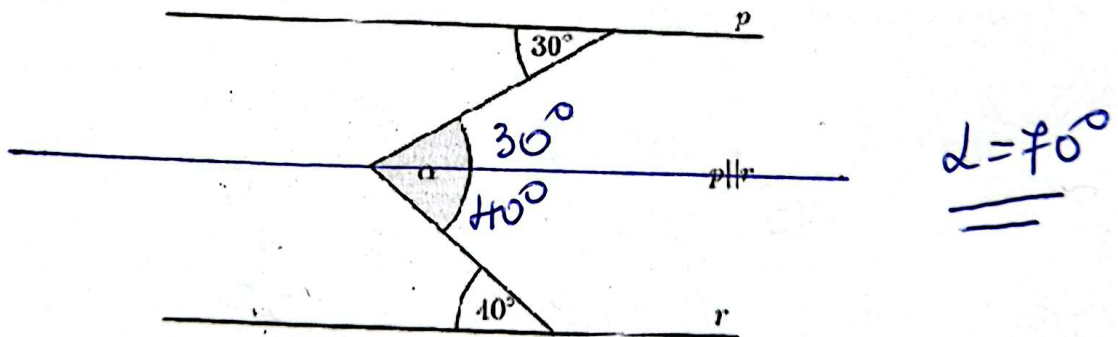
10. Kolikšna je velikost kota β na sliki?



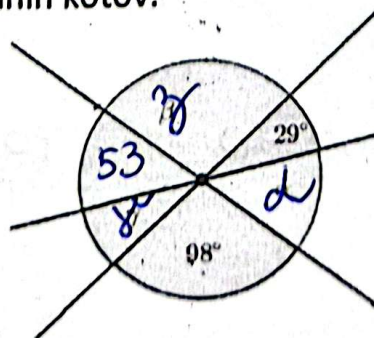
11. Nariši simetralo iztegnjenega kota. Označi dvojico sokotov. Kolikšna je velikost sokotov?



12. Izračunaj velikost kota α .



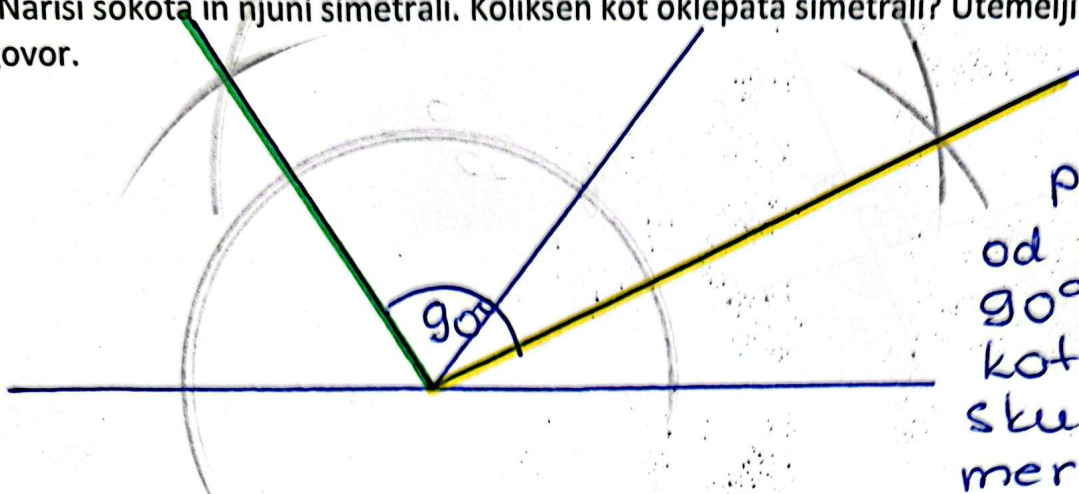
13. Izračunaj velikost neznanih kotov.



$$\begin{array}{r} 98 \\ + 29 \\ \hline 127 \end{array} \quad \begin{array}{r} 180 \\ - 127 \\ \hline 53 \end{array}$$

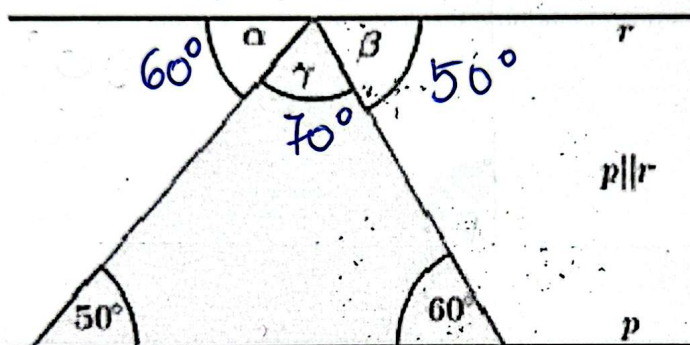
$\alpha = \boxed{53}^\circ$, $\beta = \boxed{98}^\circ$, $\gamma = \boxed{29}^\circ$

14. Nariši sokota in njuni simetrali. Kolikšen kot oklepata simetrali? Utemelji odgovor.



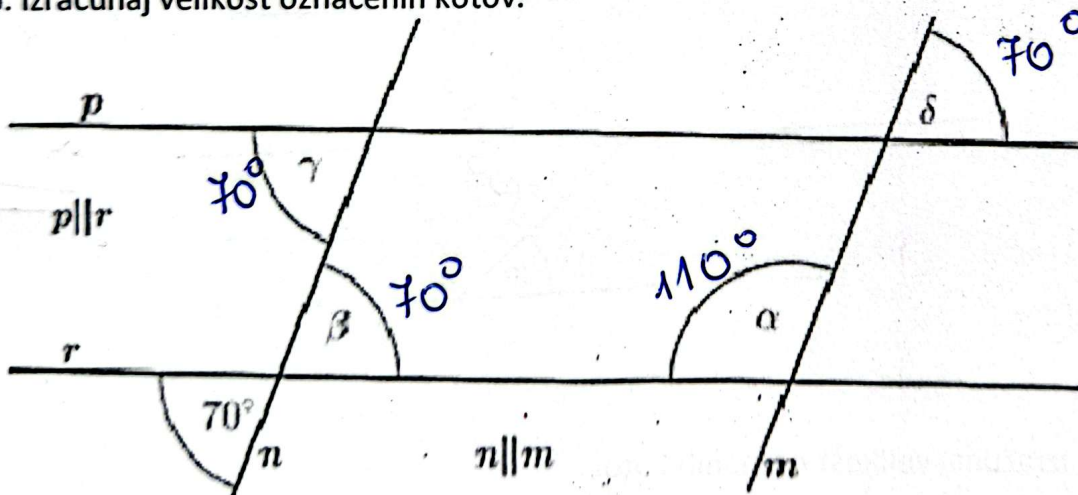
Polovica od 180° je 90° . Ker kot in sokot skupaj merita 180° .

15. Izračunaj velikost kotov α , β in γ .



$$\begin{array}{r} 50 \\ + 60 \\ \hline 110 \end{array} \quad \begin{array}{r} 180 \\ - 110 \\ \hline 70 \end{array}$$

16. Izračunaj velikost označenih kotov.



$\alpha = 110^\circ$, $\beta = 70^\circ$, $\gamma = 70^\circ$, $\delta = 70^\circ$.