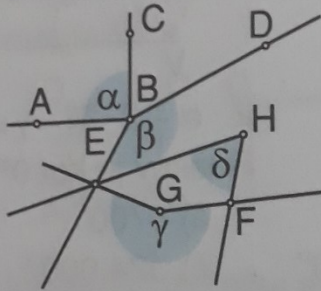


DELO NA DALJAVO

Preveri ali si včerajšnje naloge pravilno rešil. Če ne, si jih popravi. Če potrebuješ dodatno razlago rešitev mi prosim pošlji vprašanje na elektronski naslov: lidija.smej@os-velikapolana.si

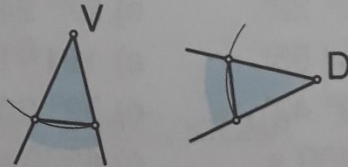
Rešitve včerajšnjih nalog:

1.

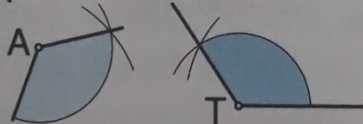


2. a) $\sphericalangle E < \sphericalangle D < \sphericalangle F < \sphericalangle A < \sphericalangle B < \sphericalangle C$

b) Kot, ki ima vrh v točki V, je skladen s kotom, ki ima vrh v točki D. Kota sta skladna, ker jima v krogu z enakim polmerom pripadata enako dolgi tetivi.

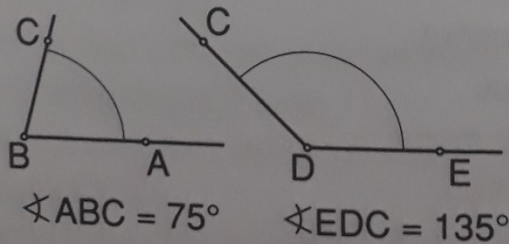


c) $\sphericalangle T \cong \sphericalangle A$



3. a) $\alpha = 45^\circ$, $\beta = 115^\circ$

b)

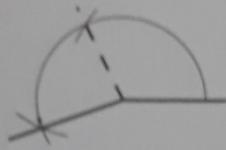


$$\sphericalangle ABC = 75^\circ$$

$$\sphericalangle EDC = 135^\circ$$

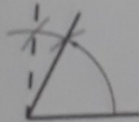
4. a) $\alpha = 65^\circ$, ker je $180^\circ - 115^\circ = 65^\circ$
 $\beta = 115^\circ$, ker je $180^\circ - 65^\circ = 115^\circ$
 $\gamma = 65^\circ$, ker je skladen s kotom α
 $\delta = 50^\circ$, ker je $180^\circ - (110^\circ + 20^\circ) = 50^\circ$
 $\alpha_1 = 73^\circ$, ker je $90^\circ - 17^\circ = 73^\circ$
 $\beta_1 = 142^\circ$, ker je $360^\circ - (128^\circ + 90^\circ) = 142^\circ$
- b) α je ostri kot, β_1 je topi kot
 c) Kotu β_1 manjka do iztegnjenega kota 38° .
5. a) Hčerka se je rodila leta 1999.
 b) Oče se je rodil leta 1966.
 c) Leta 2015 bo imel oče 49 let, mati 46 let, sin 19 let in hčerka 16 let.

6. a)



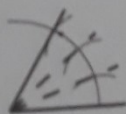
$$\alpha + \beta = 115^\circ + 85^\circ = 200^\circ$$

b)



$$\beta - \gamma = 85^\circ - 20^\circ = 65^\circ$$

c)



$$3 \cdot \gamma = 3 \cdot 20^\circ = 60^\circ$$

7. a) $\alpha = 13^\circ 24' = 13 \cdot 60' + 24 \cdot 1' = 780' + 24' = 804'$
 b) $\beta = 2^\circ 3' 25'' = 2 \cdot 3600'' + 3 \cdot 60'' + 25 \cdot 1'' = 7405''$
 c) $439' = 439' : 60 = 7 \cdot 60' + 19' = 7^\circ 19'$
 č) $\alpha_1 + \beta_1 = 24^\circ 40' + 73^\circ 47' = 97^\circ 87' = 97^\circ + 1^\circ + 27' = 98^\circ 27'$
 $\beta_1 - \alpha_1 = 73^\circ 47' - 24^\circ 40' = 49^\circ 7'$