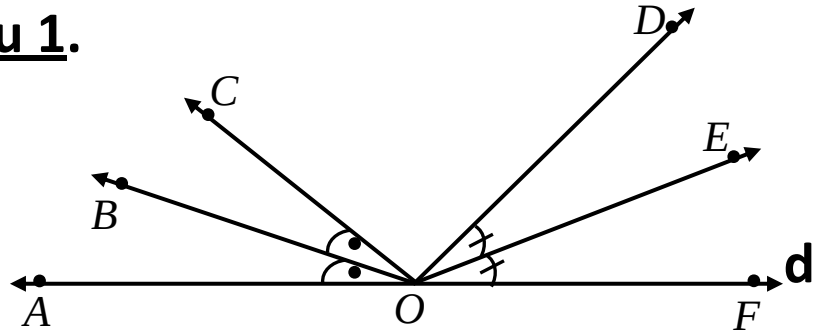
YouTube: KAZIM CEYLAN

https://www.onlinedersimiz.com/

9. SINIF DOĞRULARDA VE ÜÇGENLERDE AÇILAR TEST-9

Soru 1.



d doğrusu üzerinde

$s(\widehat{COD}) = 100^{o}$

$s(\widehat{AOB}) = s(\widehat{BOC})$

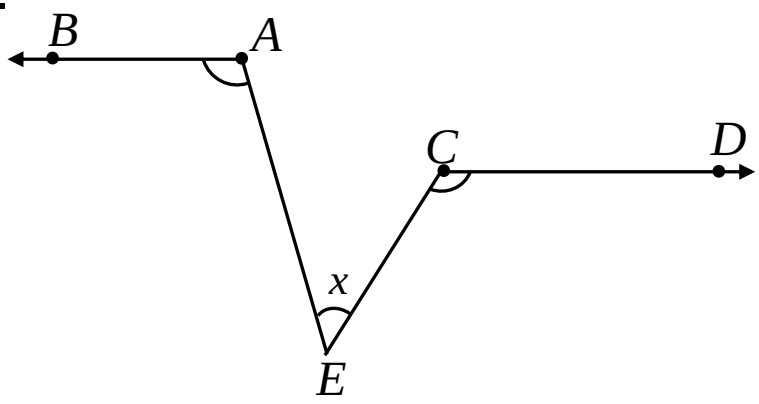
$s(\widehat{DOE}) = s(\widehat{EOF})$ **ise** $s\left(\widehat{BOE}\right)$

kaç derece olur?

A) 120 **B) 130**

C) 140 **D) 150** **E) 160**

Soru 2.



Yukarıdaki şekilde

$[AB // [CD$

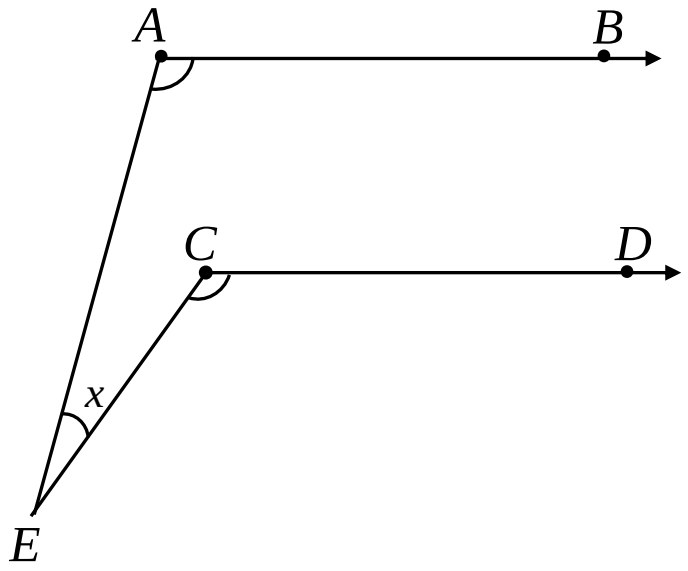
$s\left(\widehat{BAE}\right) = 110^{0}$

$s\left(\widehat{DCE}\right) = 130^{0}$ *ise* $s\left(\widehat{AEC}\right) = ?$

A) 70° **B) 60°** **C) 50°**

D) 45° **E) 40°**

Soru 3.



Yukarıdaki şekilde

$[AB] // [CD]$

$s\left(\widehat{EAB}\right) = 100^0$

$s\left(\widehat{ECD}\right) = 120^0 \quad ise \quad s\left(\widehat{AEC}\right) = x = ?$

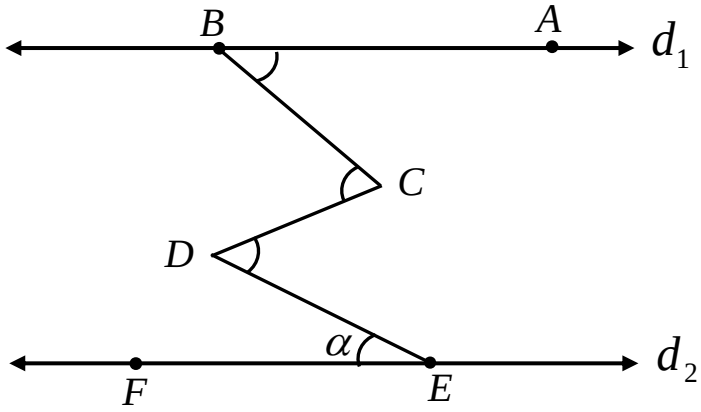
A) 12 **B) 15**

C) 20 **D) 25**

E) 27

Soru 4.

$d_1 // d_2$



$s\left(\widehat{ABC}\right) = 50^0$

$s\left(\widehat{BCD}\right) = 70^0$

$s\left(\widehat{CDE}\right) = 50^0 \quad ise \quad s\left(\widehat{DEF}\right) = \alpha = ?$

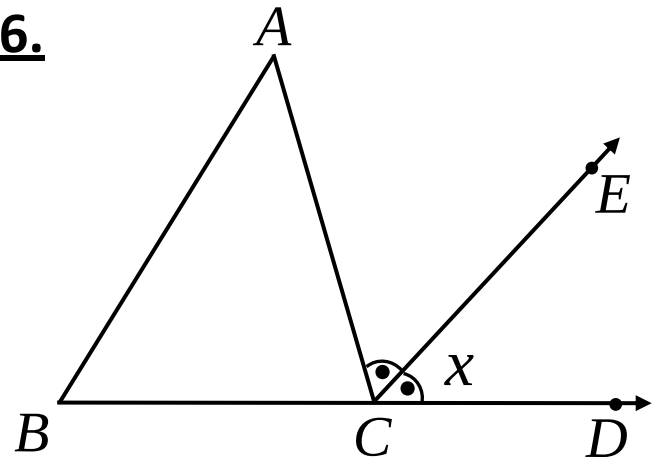
A) 20 **B) 25**

C) 30 **D) 35**

E) 40

Soru 5. **Bir üçgenin iç açılarının ölçülerinin toplamı ile dış açılarının ölçülerinin toplamının kaç derece olduğunu ispatlayınız.**

Soru 6.



$s\left(\widehat{A}\right) = 50^0$

$s\left(\widehat{B}\right) = 70^0$

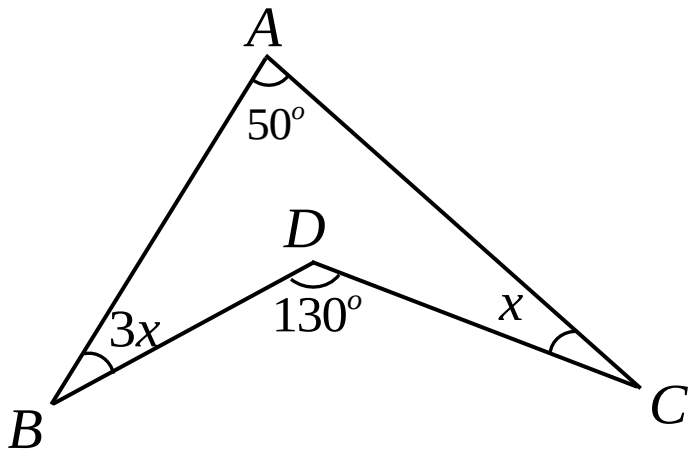
$s\left(\widehat{ACE}\right) = s\left(\widehat{ECD}\right) \quad ise \quad s\left(\widehat{ECD}\right) = x = ?$

A) 70º **B) 60º**

C) 50º **D) 40º**

E) 30º

Soru 7.



$s\left(\widehat{A}\right)=50^0$

$s\left(\widehat{B}\right)=3x$

$s\left(\widehat{C}\right)=x$

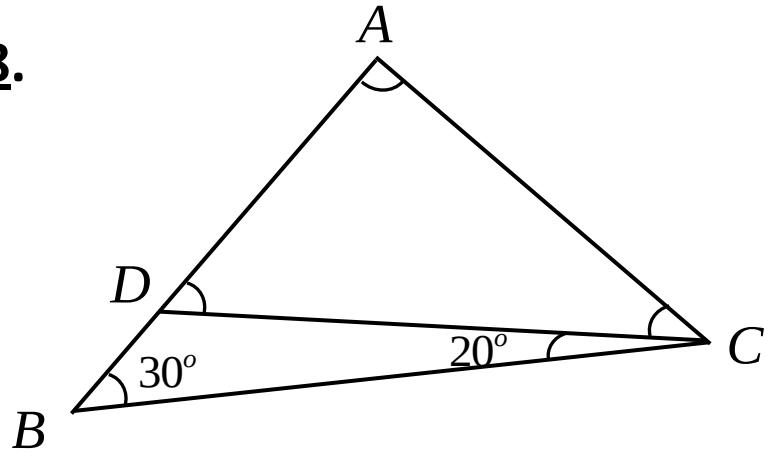
$s\left(\widehat{BDC}\right)=130^0 \quad ise \quad s\left(\widehat{C}\right)=x=?$

A) 20 **B) 22**

C) 25 **D) 28**

E) 30

Soru 8.



ABC *üçgeninde*

$|AD|=|AC|$

$s\left(\widehat{ABC}\right)=30^0, \quad s\left(\widehat{BCD}\right)=20^0$

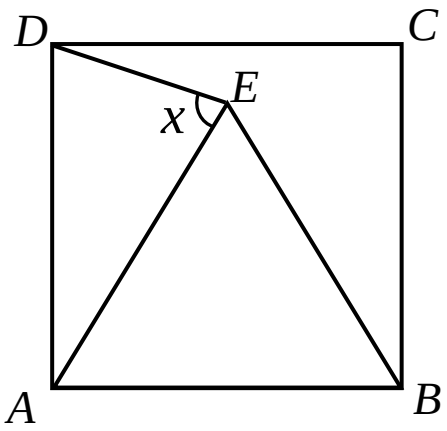
ise $s\left(\widehat{DAC}\right)$ *kaç derecedir?*

A) 120 **B) 110**

C) 90 **D) 80**

E) 70

Soru 9.



$ABCD$ kare

ABE eşkenar üçgendir.

buna göre $s\left(\widehat{AED}\right) = x$ kaç

derece olur?

A) 85

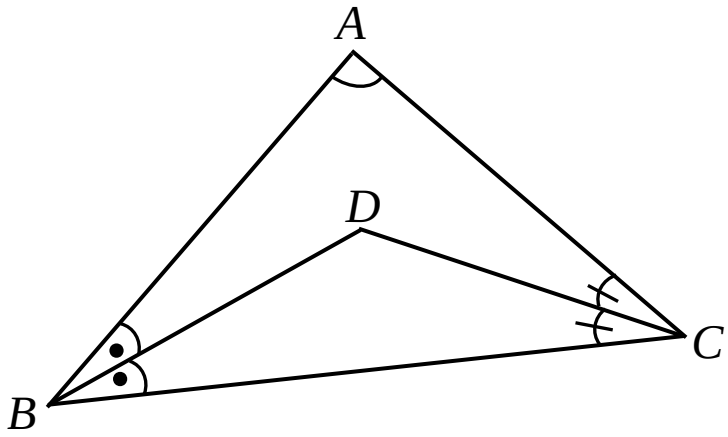
B) 80

C) 75

D) 70

E) 60

Soru 10.



ABC üçgeninde

$[BD]$ ve $[CD]$ açıortaylardır.

$s\left(\widehat{BAC}\right) = 100^0$ ise $s\left(\widehat{BDC}\right) = ?$

A) 150

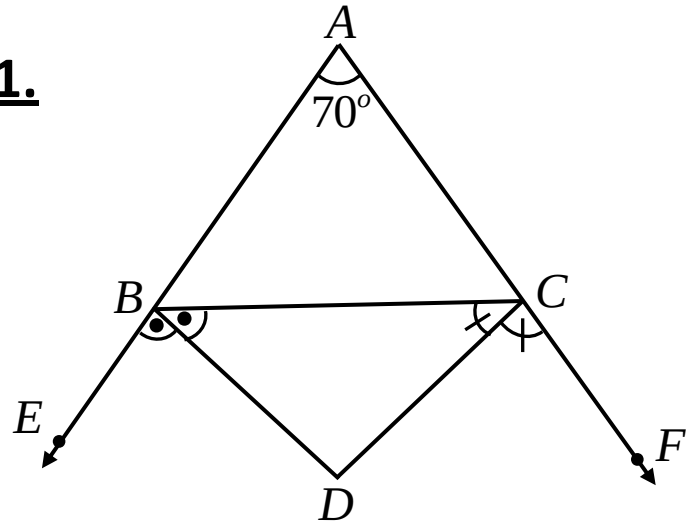
B) 140

C) 135

D) 130

E) 120

Soru 11.



ABC üçgeninde

$[BD]$ ve $[CD]$ dış açıoartaylardır.

$s\left(\widehat{EBD}\right) = s\left(\widehat{DBC}\right)$

$s\left(\widehat{BCD}\right) = s\left(\widehat{DCF}\right)$

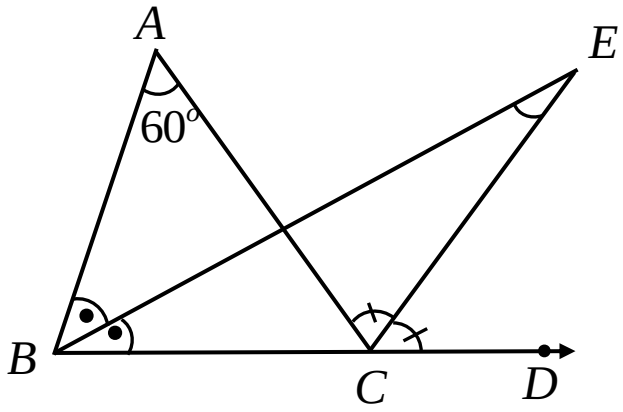
$s\left(\widehat{BAC}\right) = 70^0$ ise $s\left(\widehat{BDC}\right)$

kaç derecedir?

A) 50 **B) 55** **C) 60**

D) 70 **E) 80**

Soru 12.



ABC üçgeninde

$[BE]$ iç açıortay,

$[CE]$ dış açıoartaydır.

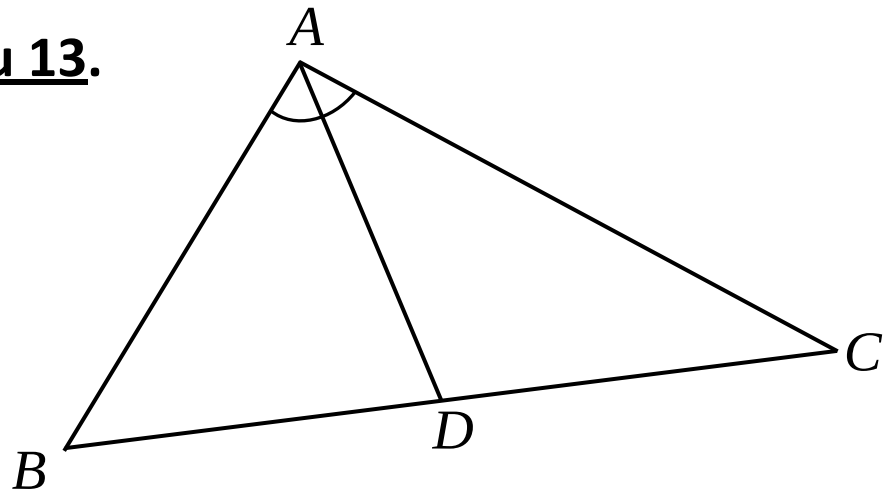
$s\left(\widehat{BAC}\right) = 60^0$ ise $s\left(\widehat{BEC}\right) = ?$

A) 28 **B) 30**

C) 32 **D) 35**

E) 40

Soru 13.



ABC üçgeninde

$|AD| = |BD| = |DC|$

ise $s(\widehat{BAC})$ kaç derecedir?

A) 120 **B) 110** **C) 100**

D) 90 **E) 80**

Soru 14. Bir üçgende herhangi iki iç açının ölçüsünün toplamı üçüncü açının dış açısının ölçüsüne eşittir. Bu durumu ispatlayın.

Soru 15. **Bütünler iki açıdan birinin ölçüsü diğerinin ölçüsünün 4 katından 10^o fazladır. Buna göre küçük açının tümleri olan açının ölçüsü kaç derece olur?**

A) 66

B) 56

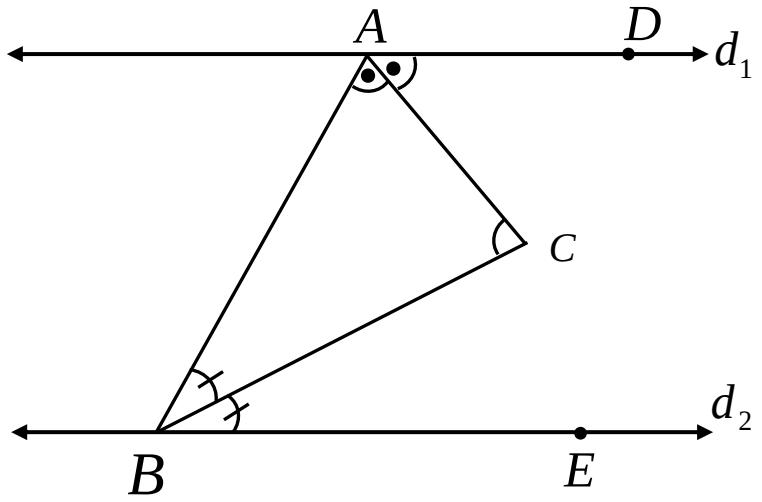
C) 44

D) 40

E) 36

Soru 16.

$d_1 // d_2$



$s\left(\widehat{DAC}\right) = s\left(\widehat{CAB}\right)$

$s\left(\widehat{ABC}\right) = s\left(\widehat{CBE}\right)$

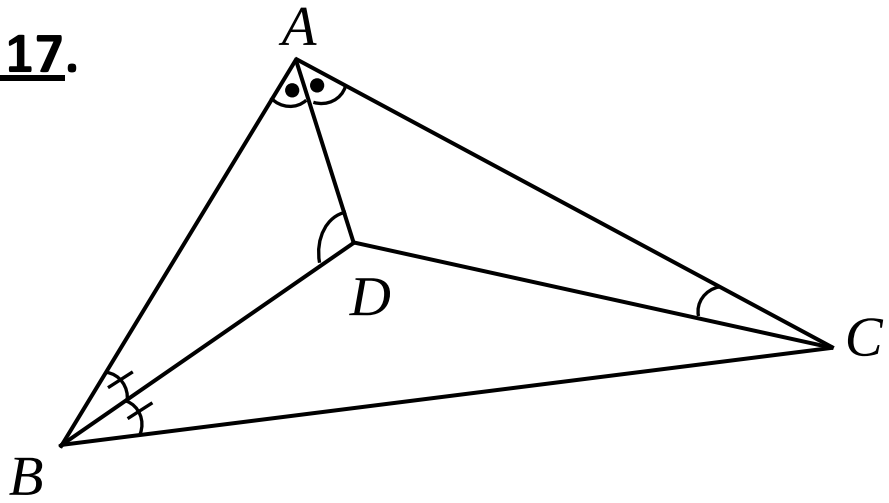
$ise \quad s\left(\widehat{BCA}\right) \; kaç \; derecedir?$

A) 90 **B) 80**

C) 75 **D) 72**

E) 68

Soru 17.



$s\left(\widehat{BAD}\right) = s\left(\widehat{DAC}\right)$

$s\left(\widehat{ABD}\right) = s\left(\widehat{DBC}\right)$

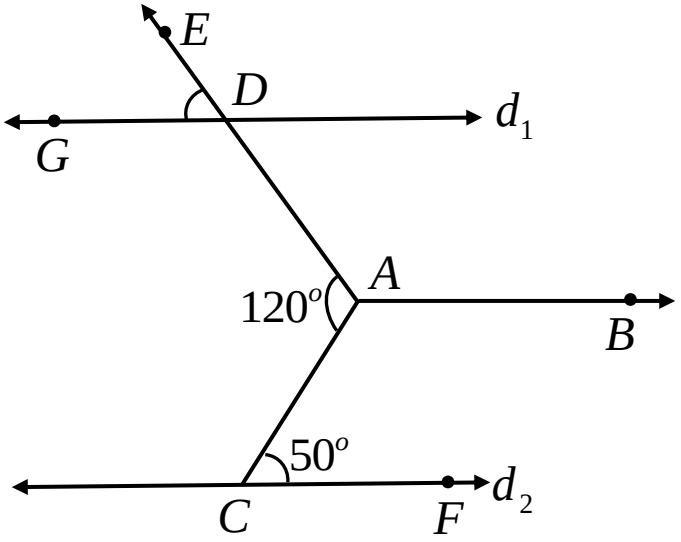
$s\left(\widehat{ADB}\right) = 110^o \;\; ise \;\; s\left(\widehat{DCA}\right) = ?$

A) 20º **B) 22º**

C) 25º **D) 30º**

E) 35º

Soru 18.



$d_1 // d_2 // [AB$

$s\left(\widehat{ACF}\right) = 50^o$

$s\left(\widehat{DAC}\right) = 120^o$

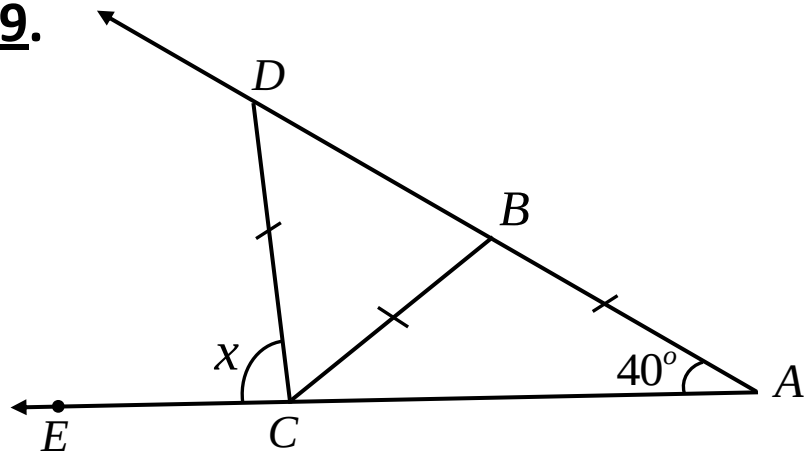
$ise \;\; s\left(\widehat{GDE}\right) \; kaç \; derecedir?$

A) 60 **B) 70**

C) 80 **D) 90**

E) 120

Soru 19.



Yukarıdaki şekilde

$|AB| = |BC| = |CD|$

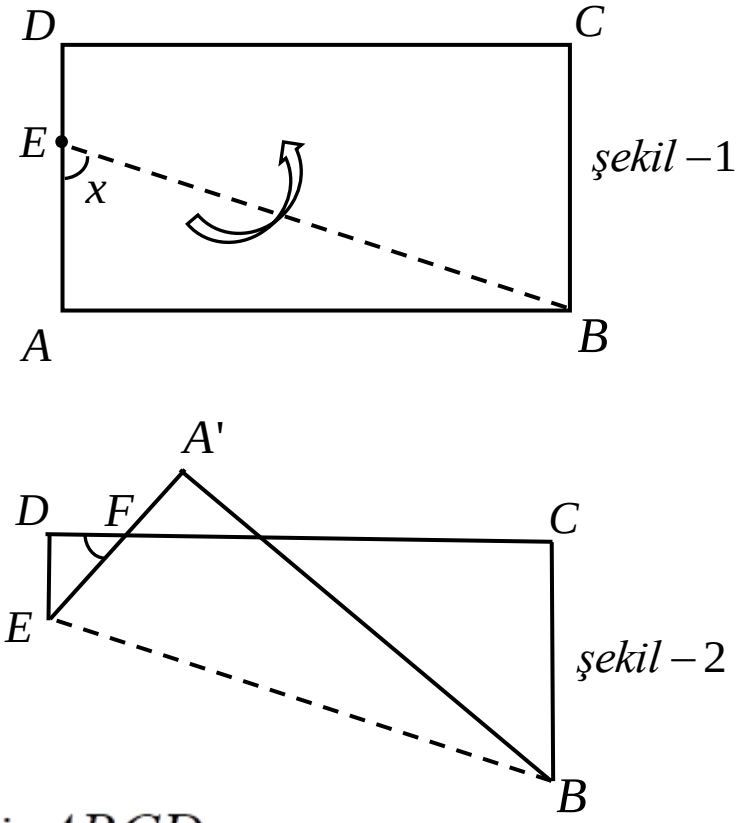
$s\left(\widehat{CAB}\right) = 40^o$ *ise* $s\left(\widehat{DCE}\right) = x = ?$

A) 110 **B) 120**

C) 140 **D) 145**

E) 150

Soru 20.



Yukarıdaki ABCD dikdörtgeni $[BE]$ *boyunca katlanıyor ve şekil − 2 oluşuyor.*

$s\left(\widehat{DFE}\right) = 40^o$ *ise* $s\left(\widehat{AEB}\right) = x = ?$

A) 65° **B) 56°** **C) 44°**

D) 40° **E) 40°**