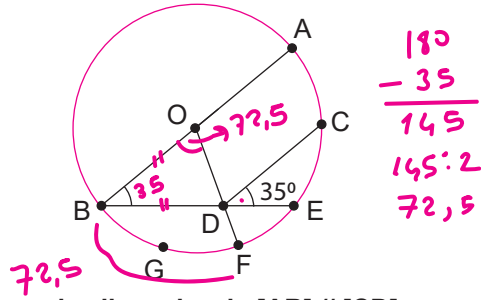


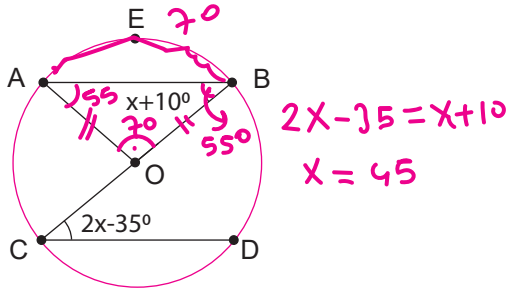
01.



Şekilde O merkezli çemberde $[AB] \parallel [CD]$, B, D, E ve O, D, F doğrusal, $|OB|=|BD|$, $s(\widehat{CDE})=35^\circ$ ise $s(\widehat{BGF})$ kaç derecedir?

- A) 70,5 B) 71,5 ☒ C) 72,5 D) 73,5

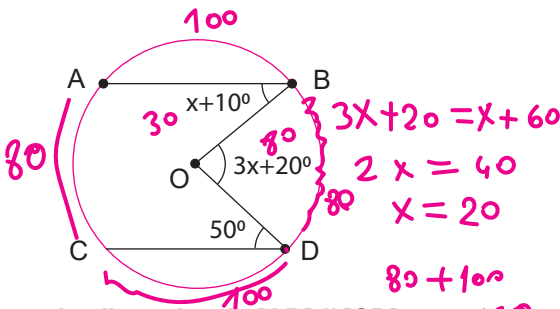
02.



Şekilde O merkezli çemberde $[AB] \parallel [CD]$, $s(\widehat{ABO})=x+10^\circ$, $s(\widehat{OCD})=2x-35^\circ$ ise $s(\widehat{AEB})$ kaç derecedir?

- A) 50 B) 60 ☒ C) 70 D) 80

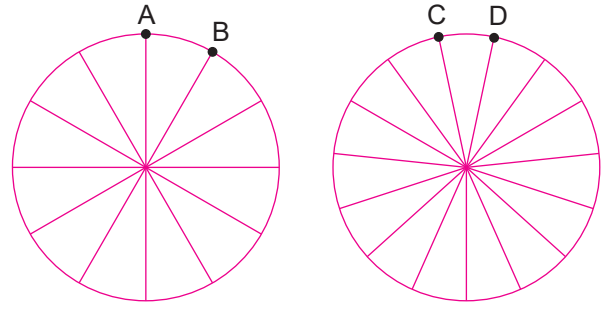
03.



Şekilde O merkezli çemberde $[AB] \parallel [CD]$, $s(\widehat{ABO})=x+10^\circ$, $s(\widehat{BOD})=3x+20^\circ$ ve $s(\widehat{ODC})=50^\circ$ ise $s(\widehat{BDC})$ kaç derecedir?

- A) 190 ☒ B) 180 C) 170 D) 160

04.



Şekildeki çemberler sıra ile 12 ve 15 eş parçaya ayrılmıştır.

Buna göre $s(\widehat{AB})-s(\widehat{CD})$ kaç derecedir?

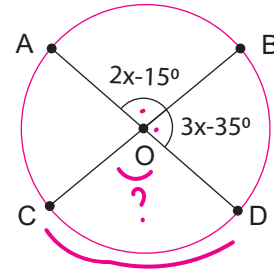
- A) 2 B) 4 ☒ C) 6 D) 8

$$= \frac{360}{12} - \frac{360}{15}$$

$$= 30 - 24$$

$$= 6$$

05.



Şekilde O merkezli çemberde $[AD]$ ve $[CB]$ çap, $s(\widehat{AOB})=2x-15^\circ$, $s(\widehat{BOD})=3x-35^\circ$ ise $s(\widehat{CD})$ kaç derecedir?

- A) 46 B) 67 C) 73 ☒ D) 77

$$2x - 15 + 3x - 35 = 180$$

$$5x - 50 = 180 \quad s(\widehat{BOD})$$

$$5x = 230$$

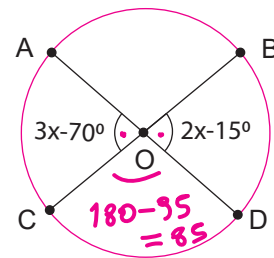
$$x = 46$$

$$= 3 \cdot 46 - 35$$

$$= 138 - 35 = 103$$

$$180 - 103 = 77$$

06.



$$3x - 70 = 2x - 15$$

$$3x - 2x = 70 - 15$$

$$x = 55$$

$$2 \cdot 55 - 15 = 95$$

Şekilde O merkezli çemberde $[AD]$ ve $[CB]$ çap, $s(\widehat{AOC})=3x-70^\circ$, $s(\widehat{BOD})=2x-15^\circ$ ise $s(\widehat{CD})$ kaç derecedir?

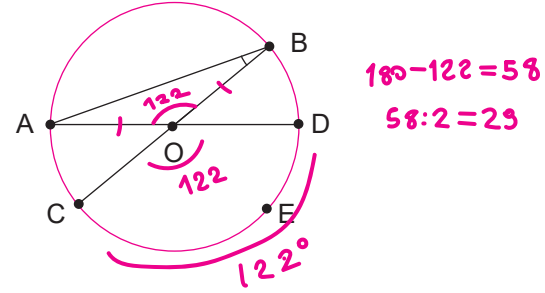
- A) 75 ☒ B) 85 C) 95 D) 105

07. $b=30$
 $25+2b=85$
 $a+2b=85$
 $2a=50$
 $a=25$

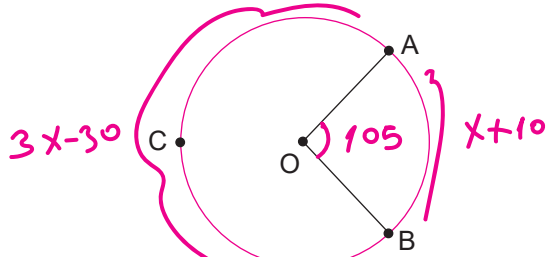
Şekilde O merkezli çemberde [AH], [BG], [CF] ve [DE] çap, $s(\widehat{AOE}) = a+2b$, $s(\widehat{DH}) = 85^\circ$, $s(\widehat{FOG}) = 2a$, $s(\widehat{BC}) = 50^\circ$ ise b kaçtır?

A) 60 B) 50 C) 40 ☒ D) 30

10.



08.



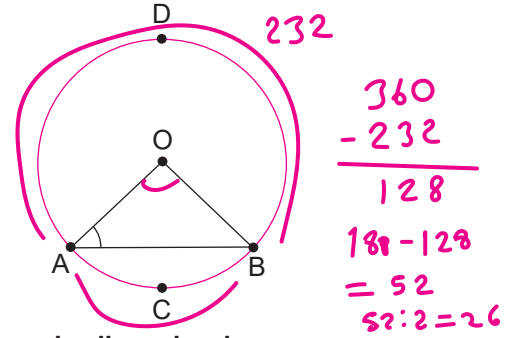
$$3x-30 + x+10 = 360$$

$$4x-20 = 360$$

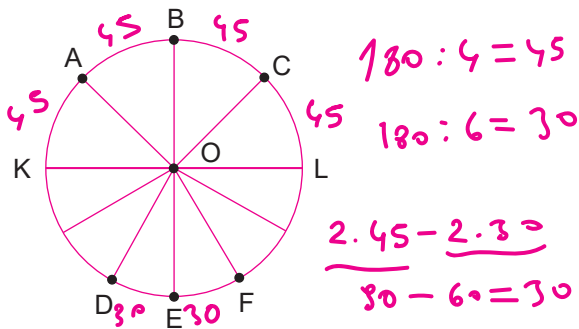
$$4x = 380$$

$$x = 95$$

11.



09.



12.

