

Çokgenler

1) 35 tane dış açısı olan bir çokgen kaç kenarlıdır ?

2) 25 kenarlı bir çokgenin kaç tane iç açısı vardır ?

3) 17 tane kölesi olan bir çokgen kaç kenarlıdır ?

4) 37 kenarlı bir çokgenin dış açılar toplamı kaç derecedir ?

5) 8 kölesi olan bir çokgenin iç açılar toplamı kaç derecedir ?

6) İç açılar toplamı 1800 olan bir çokgenin kaç dış açısı vardır ?

7) İç açılar toplamı, dış açılar toplamının 12 katı olan çokgen kaç kenarlıdır ?

8) 15 kenarlı bir çokgenin sabit bir köşesinden çizilen köşegen sayısı kaçtır ?

9) 23 kenarlı bir çokgenin sabit bir köşesinden geçen köşegenlerle kaç tane üçgensel bölge oluşur.?

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10) 9 kenarlı bir çokgenin köşegen sayısı kaçtır ?

11) Köşegen sayısı 35 olan bir çokgen kaç kenarlıdır ?

12) Köşegen sayısı, kenar sayısına eşit olan bir çokgen kaç kenarlıdır ?

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13) Köşegen sayısı, kenar sayısının 6 katı olan bir çokgen kaç kenarlıdır ?

14) Köşegen sayısı, kenar sayısının 18 katı olan bir çokgenin iç açılar toplamı kaç dik açıdır ?

15) Tüm köşegen sayısı, sabit bir köşeden çizilen köşegen sayısının 17 katı olan çokgen kaç kenarlıdır?

16) Köşegen sayısı ile kenar sayısının toplamı 153 olan çokgen kaç kenarlıdır?

17) Bir çokgenin çizilebilmesi için 23 tane bağımsız elemanı bilindiğine göre en fazla kaç tane açıdır?

18) İç açılar toplamı 18 dik açı'ya eşit olan bir çokgenin köşegen sayısı kaçtır ?

19) İç açıları sırasıyla $130^\circ, 140^\circ, 150^\circ, 160^\circ, 165^\circ, 170^\circ$ ve diğer iç açıları birbirine eşit 175° ise bu çokgen kaç kenarlıdır ?

20) Düzgün onsekizgenin bir iç açısı kaç derecedir?

21) Düzgün yirmidört genin bir iç açısı'nın bir dış açısına oranı kaçtır ?

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22) Düzgün bir çokgenin dış açısının 3 katı, iç açısına eşit ise bu çokgenin köşegen sayısı kaçtır ?

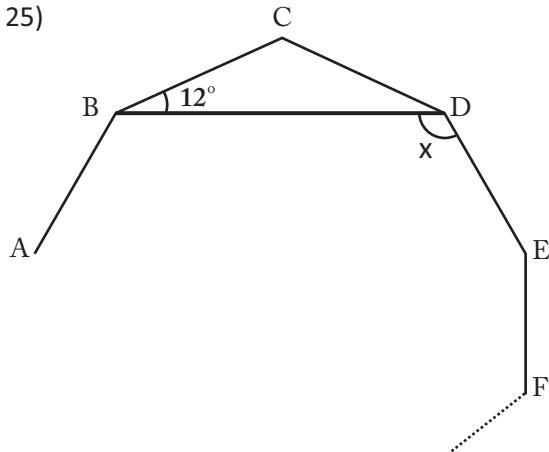
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23) Düzgün bir çokgenin dış açısının iç açısına oranı $\frac{1}{14}$ ise bu çokgenin sabit bir köşesinden çizilen köşegenlerle kaç tane üçgensel bölge oluşur?

24) Düzgün bir çokgenin bir dış açısının tümleri 54° ise bu çokgenin çizilebilmesi için en az kaç tane bağımsız elemanı verilmelidir ?

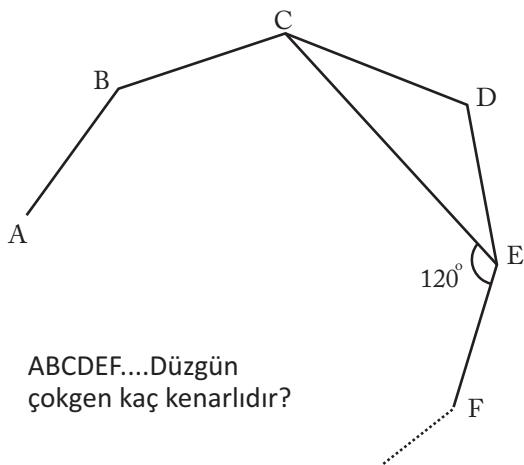
Çokgenler

25)



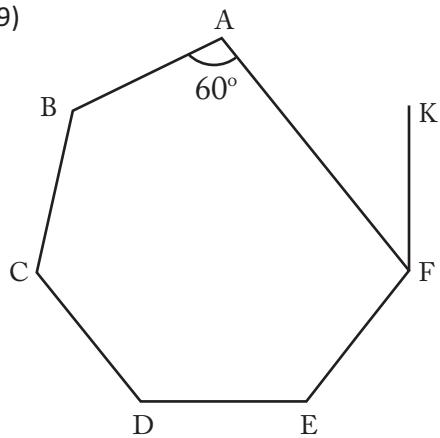
ABCDE....
Düzgün
çokgen
 $x = ?$

26)



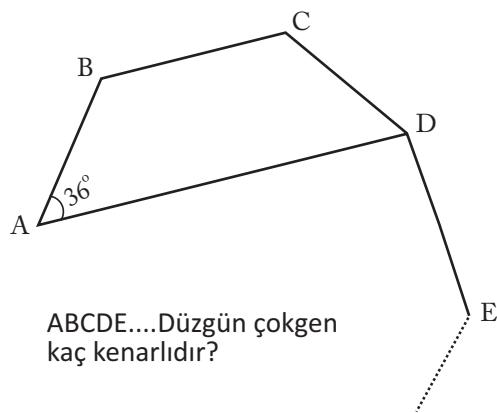
ABCDEF....Düzgün
çokgen kaç kenarlıdır?

29)



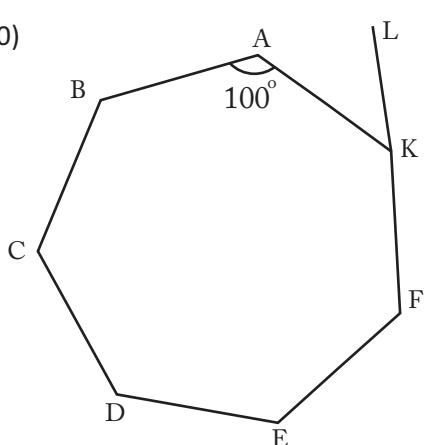
ABCDEFK....
Düzgün
çokgeni kaç
kenarlıdır?

27)



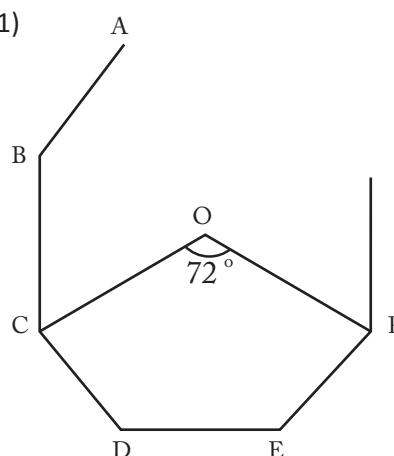
ABCDE....Düzgün
çokgen kaç kenarlıdır?

30)



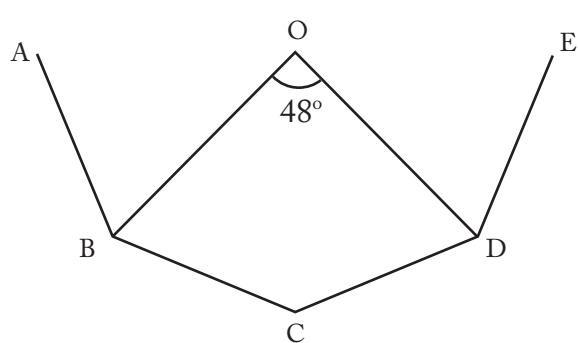
ABCDEFKL....
Düzgün çokgeni
kaç kenarlıdır?

31)



O Merkez'li
ABCDE...
Düzgün çokgeni
kaç kenarlıdır?

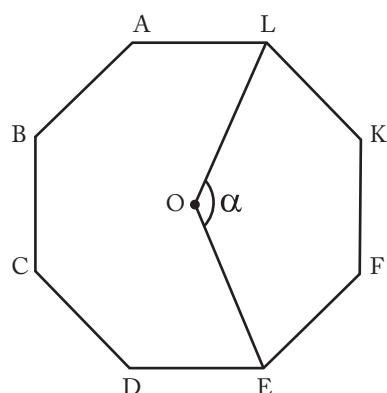
28)



O Merkez'li ABCDE....Düzgün çokgenin köşegen sayısı
kaçtır?

Çokgenler

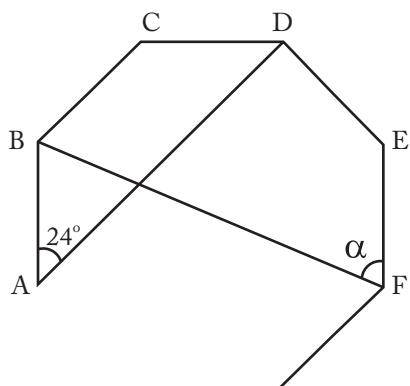
32)



Düzgün sekizgenin
ağırlık merkezi
O noktası ise
 $\alpha = ?$

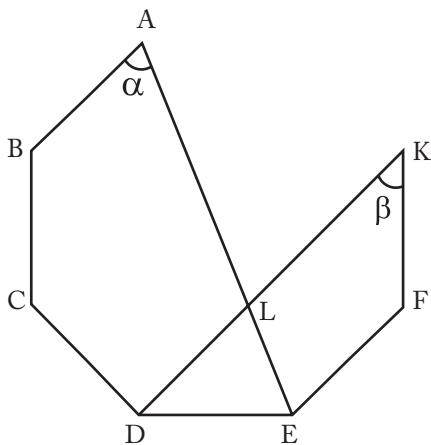
Çokgenler

33)



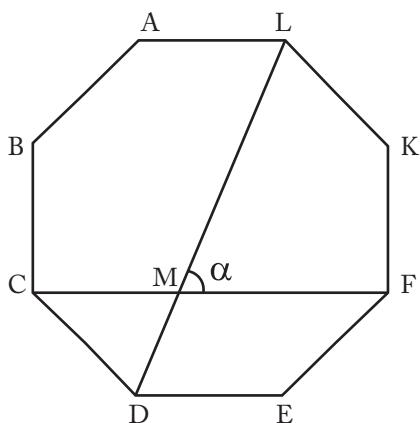
ABCDEF.....
Dürgün çokgen
 $\alpha = ?$

34)



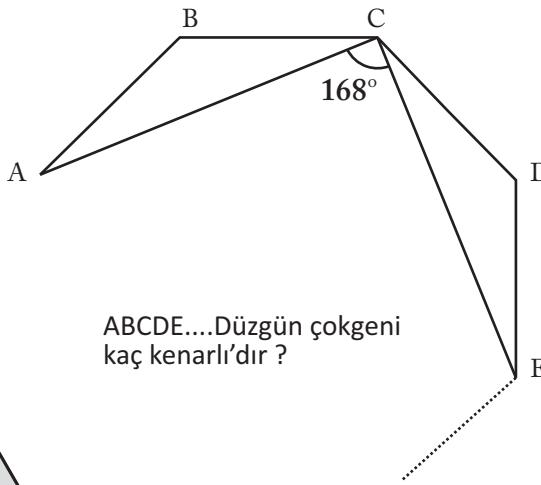
ABCDEFK.....
Dürgün çokgen
 $[AE] \cap [KD] = \{L\}$
 $\frac{\alpha}{\beta} = ?$

35)



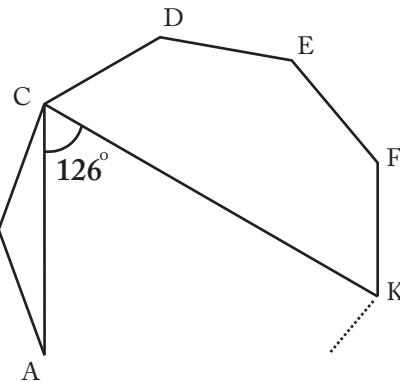
ABCDEFKL
Dürgün sekizgen
 $[LD] \cap [CF] = \{M\}$
 $\alpha = ?$

36)



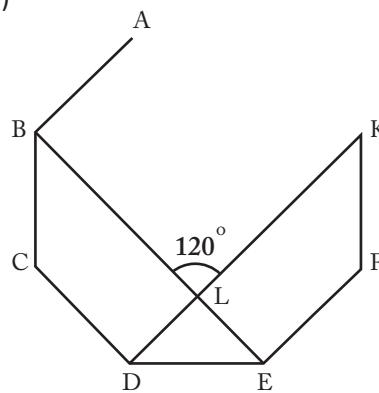
ABCDE....Dürgün çokgeni
kaç kenarlıdır ?

37)



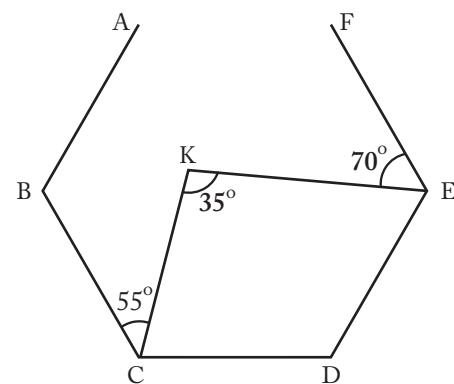
ABCDEFK.....
Dürgün çokgeni
kaç kenarlıdır ?

38)



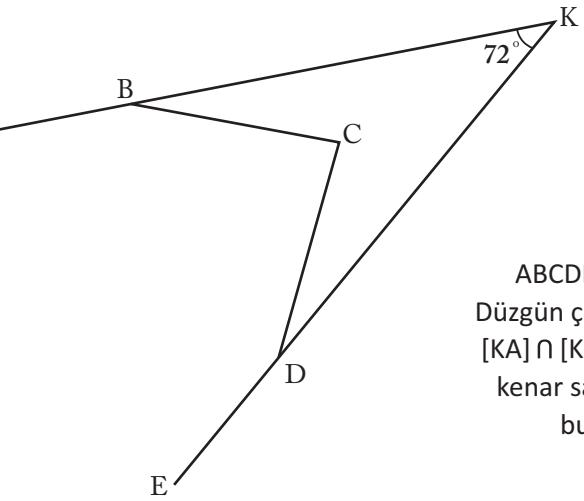
ABCDEFK.....
Dürgün çokgen
 $[KD] \cap [BE] = \{L\}$
kenar sayısını
bulunuz

39)



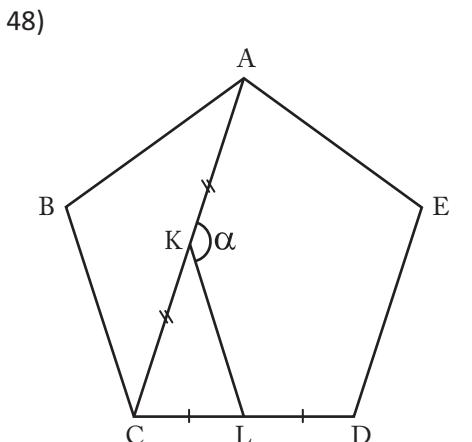
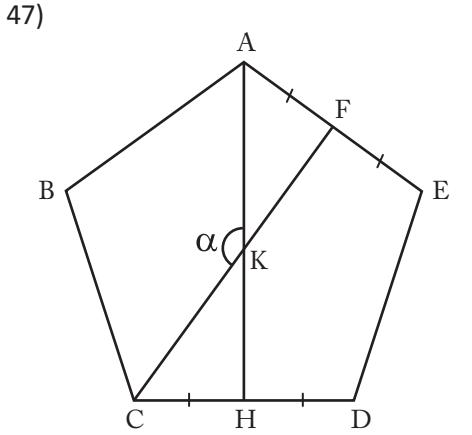
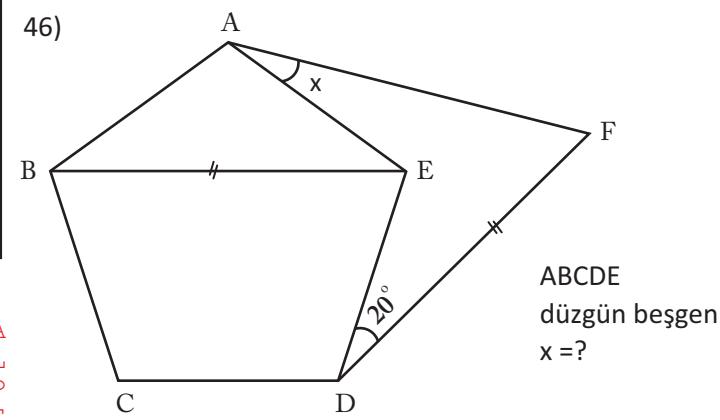
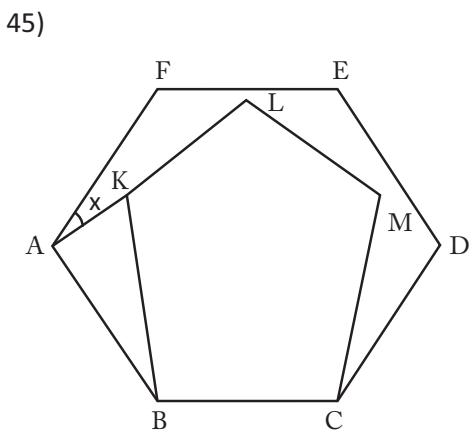
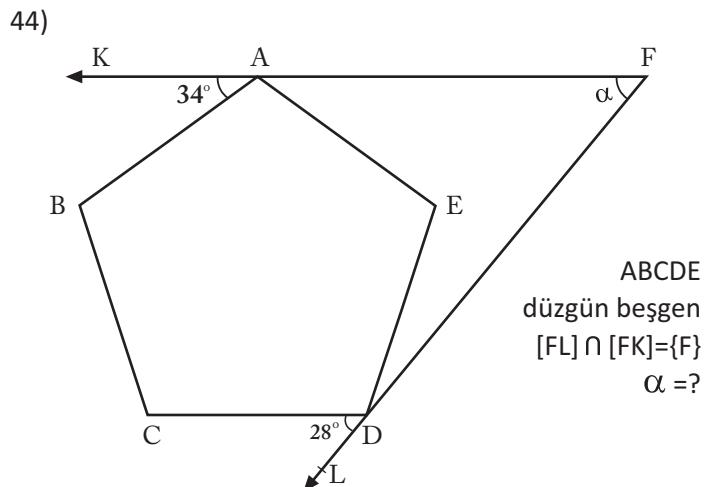
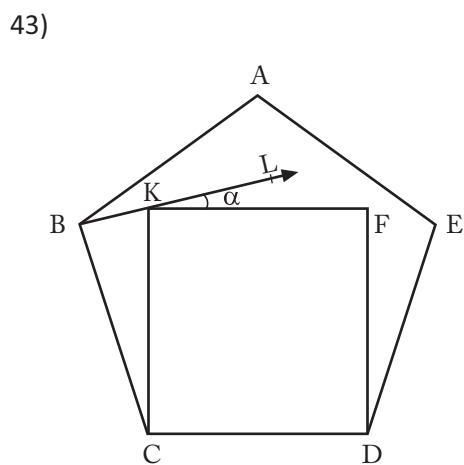
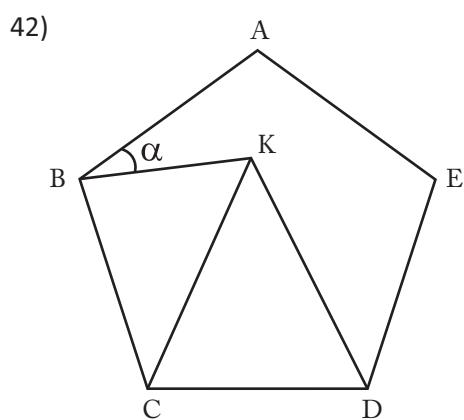
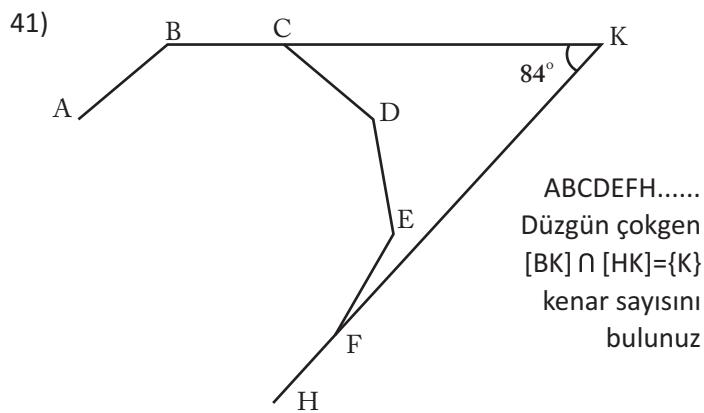
ABCDEF.....
Dürgün çokgeninin
kenar sayısını
bulunuz

40)



ABCDE.....
Dürgün çokgen
 $[KA] \cap [KE] = \{K\}$
kenar sayısını
bulunuz

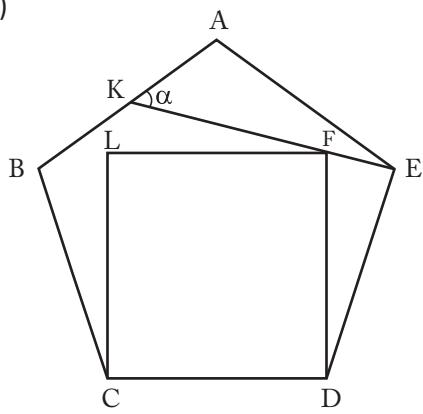
Çokgenler



Çokgenler

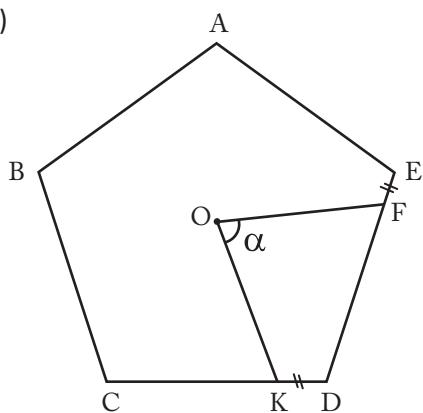
Çokgenler

49)



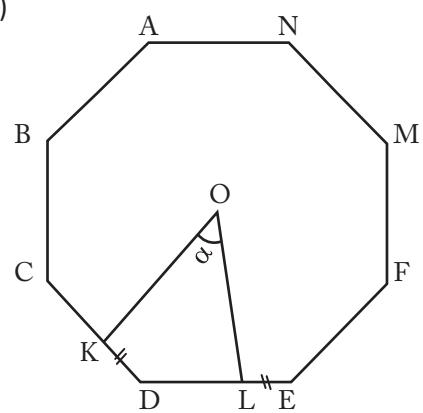
ABCDE
düzgün beşgen
CDFL Kare
 $\alpha=?$

50)



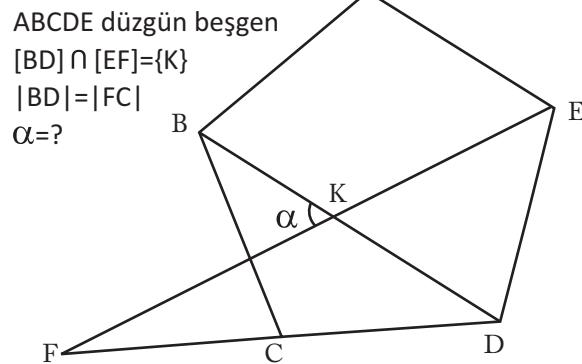
O:ABCDE
düzgün beşgenin
ağırlık merkezi
 $\alpha=?$

51)



O:ABCDEFMN
düzgün sekizgenin
ağırlık merkezi
 $\alpha=?$

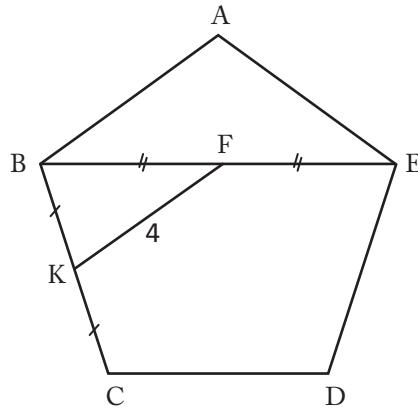
52)



ABCDE düzgün beşgen
 $[BD] \cap [EF] = \{K\}$
 $|BD| = |FC|$
 $\alpha=?$

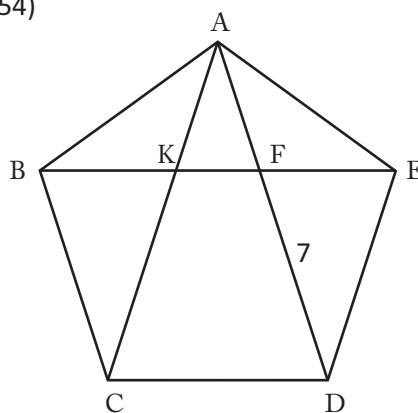
Çokgenler

53)



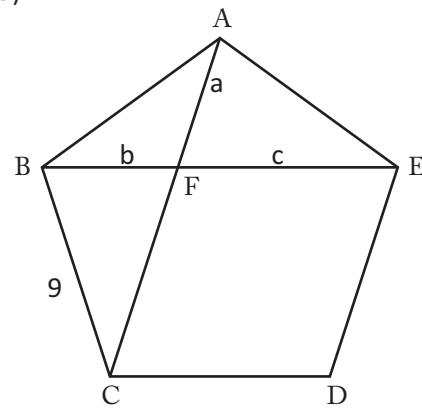
ABCDE
düzgün beşgen
[BE] köşegen
uzunluğunu
bulunuz.

54)



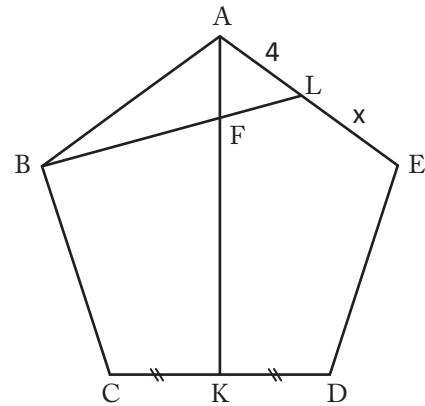
ABCDE
düzgün beşgenin
çevresini
bulunuz.

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ABCDE
düzgün beşgen
 $a + c - b = ?$

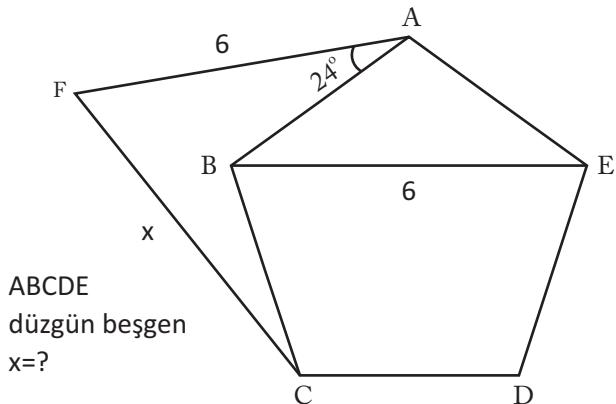
56)



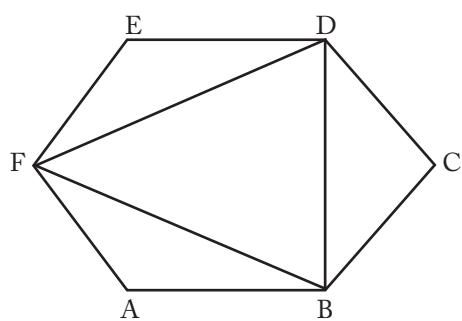
ABCDE
düzgün beşgen
 $5 \cdot |FL| = 2 \cdot |BF|$
 $x = ?$

Çokgenler

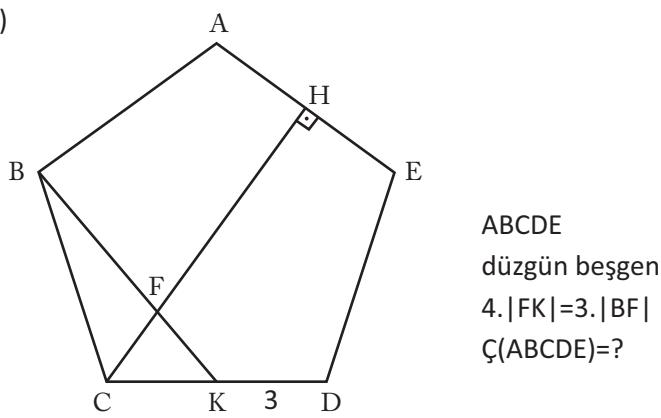
57)



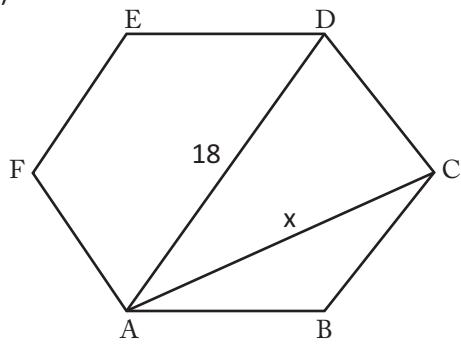
61)



58)

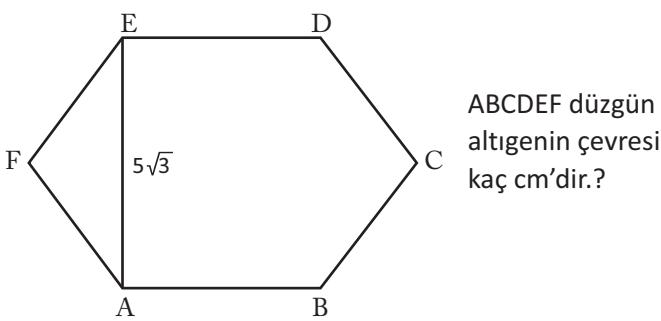


62)

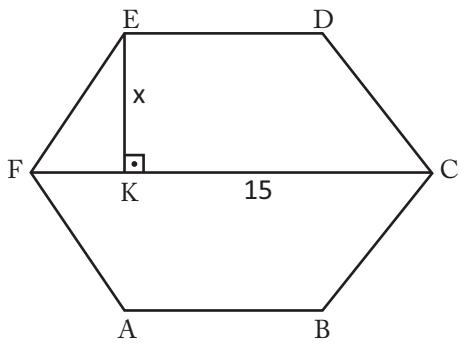


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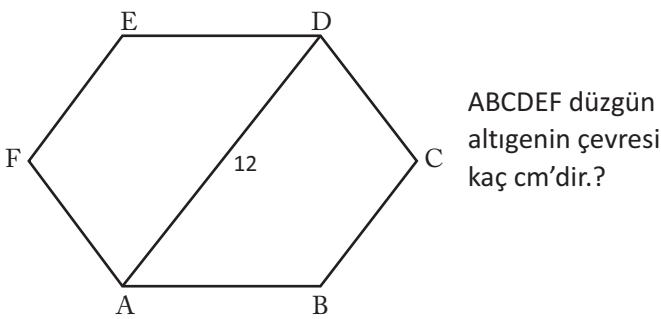


63)

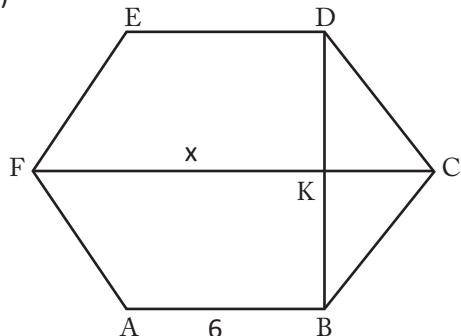


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60)

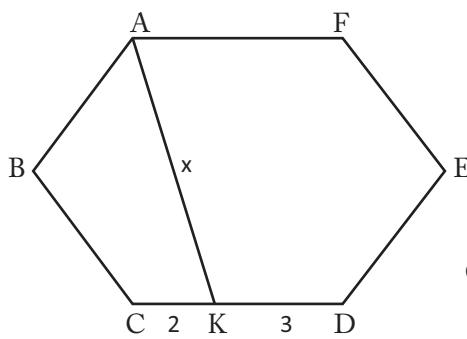


64)



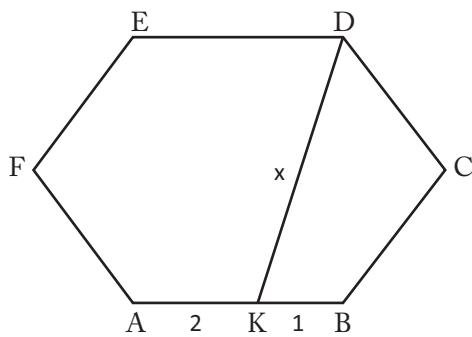
Çokgenler

65)



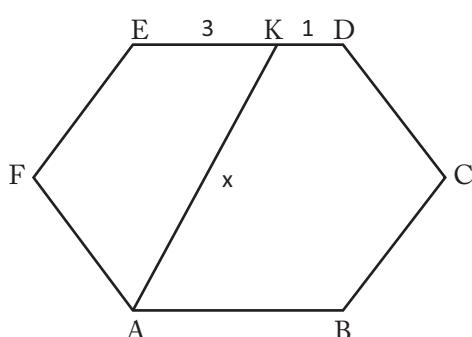
ABCDEF
düzgün altigen
 $x=?$

66)



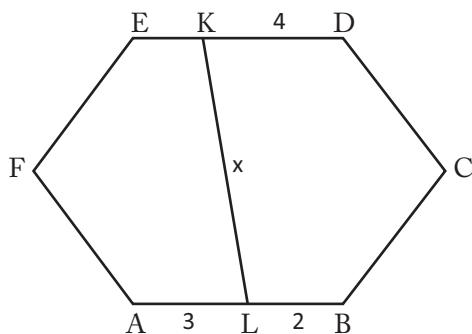
ABCDEF
düzgün altigen
 $x=?$

67)



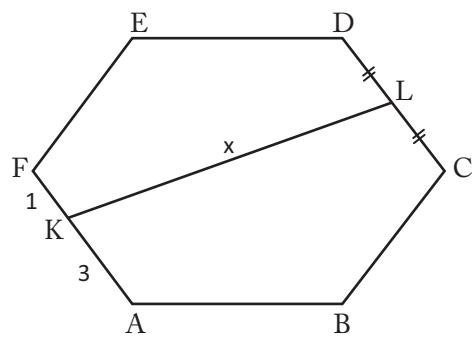
ABCDEF
düzgün altigen
 $x=?$

68)



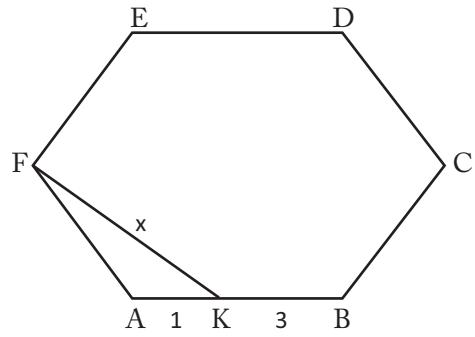
ABCDEF
düzgün altigen
 $x=?$

69)



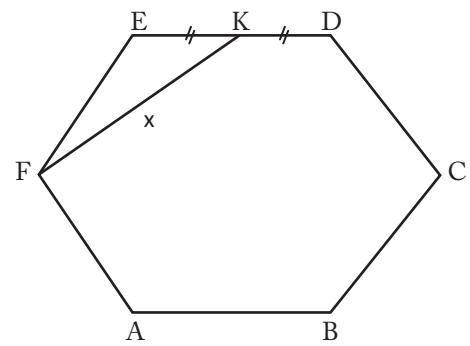
ABCDEF
düzgün altigen
 $x=?$

70)



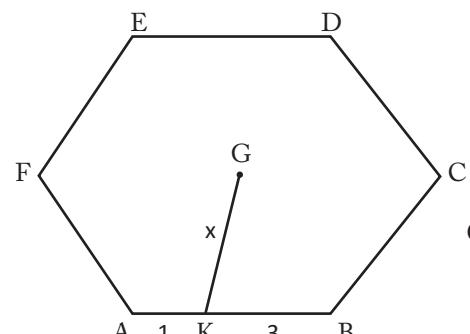
ABCDEF
düzgün altigen
 $x=?$

71)



ABCDEF düzgün
altigenin çevresi
24 cm ise $x=?$

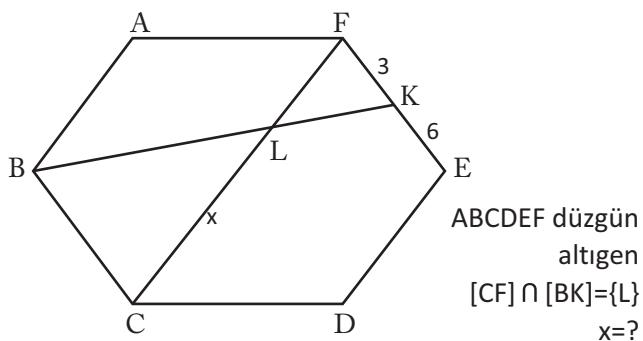
72)



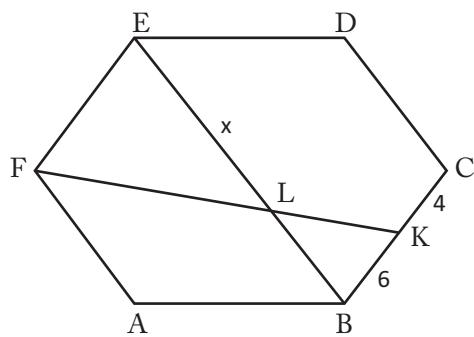
G:ABCDEF düzgün
altigenin ağırlık
merkezi $x=?$

Çokgenler

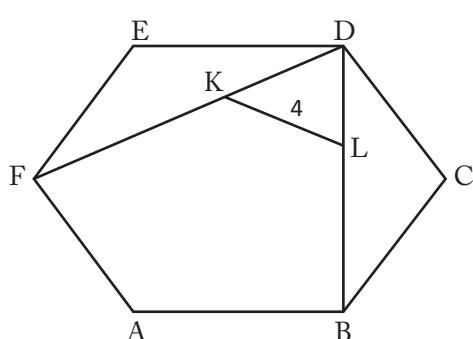
73)



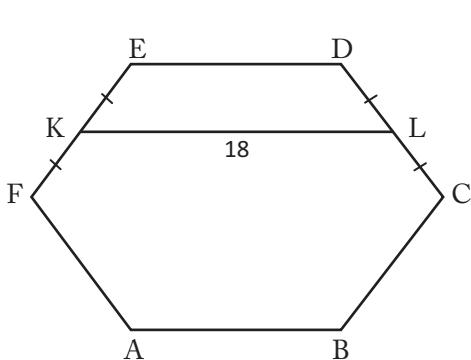
74)



75)

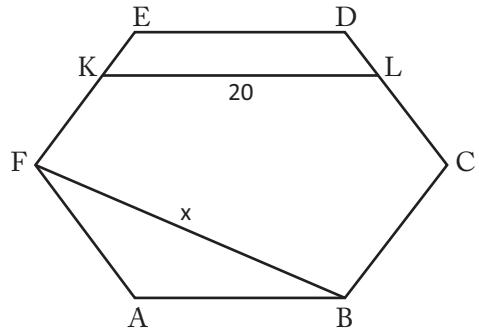


76)

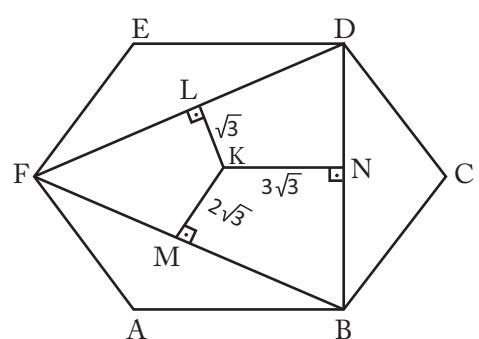


77)

77)



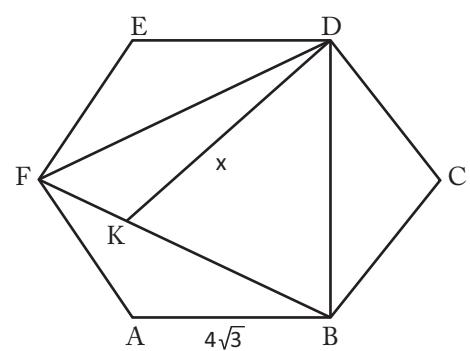
78)



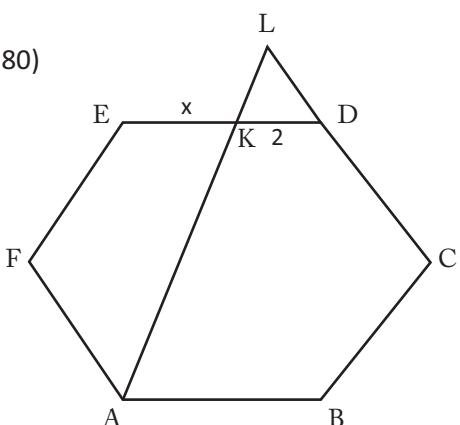
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79)

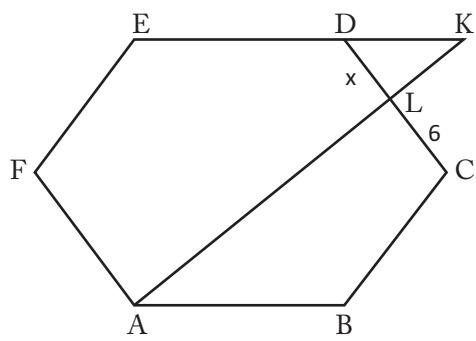


80)



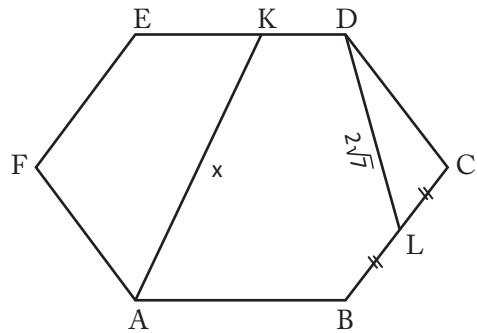
Çokgenler

81)



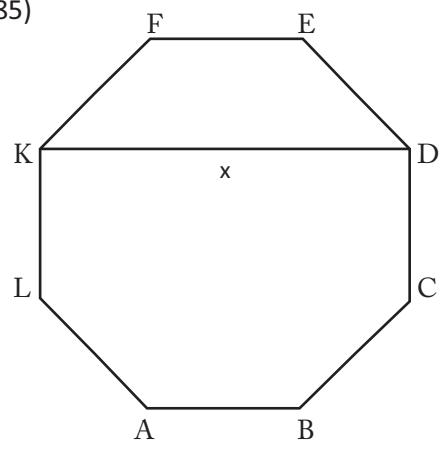
ABCDEF düzgün altıgen $[EK] \cap [AK] = \{K\}$
 $3 \cdot |AL| = 7 \cdot |KL|$, $x = ?$

82)



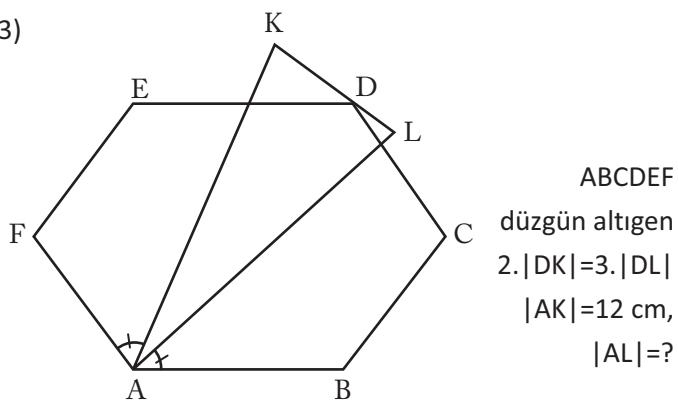
ABCDEF düzgün altıgen $3 \cdot |KD| = |EK|$, $x = ?$

85)



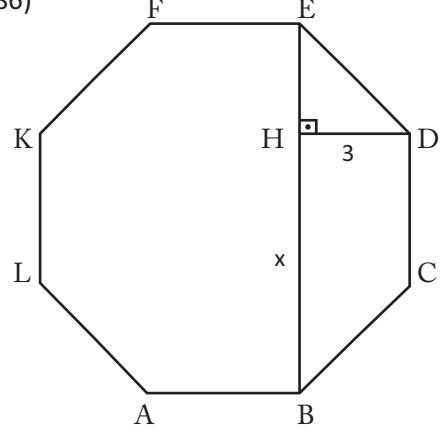
ABCDE.....
 düzgün
 sekizgenin
 çevresi
 $32\sqrt{2}$ cm ise
 $x = ?$

83)



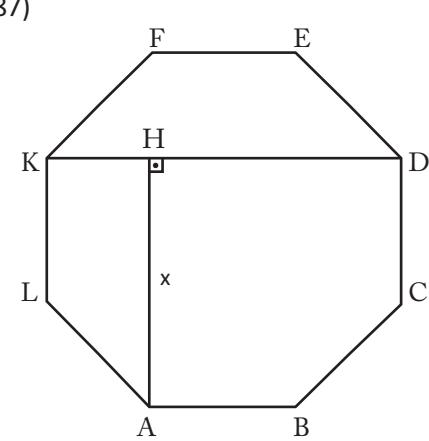
ABCDEF
 düzgün altıgen
 $2 \cdot |DK| = 3 \cdot |DL|$
 $|AK| = 12 \text{ cm}$,
 $|AL| = ?$

86)



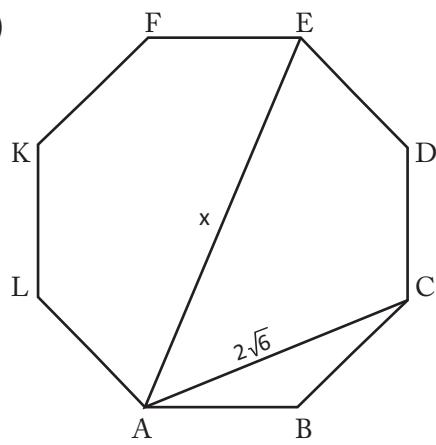
ABCDE.....
 düzgün sekizgen
 $[DH] \perp [BE]$
 $x = ?$

87)



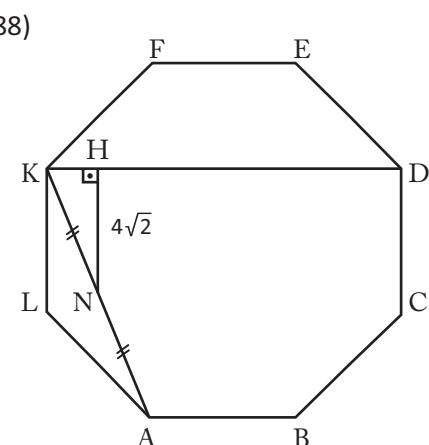
ABCDE.....
 düzgün sekizgen
 $[KD] \perp [AH]$,
 $|KD| = 12 \text{ cm}$
 $x = ?$

84)



ABCDEFKL
 düzgün
 sekizgen
 $x = ?$

88)

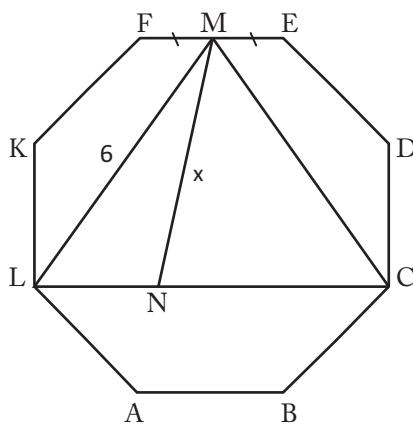


ABCDEFKL
 düzgün sekizgen
 $|DK| = ?$

Çokgenler

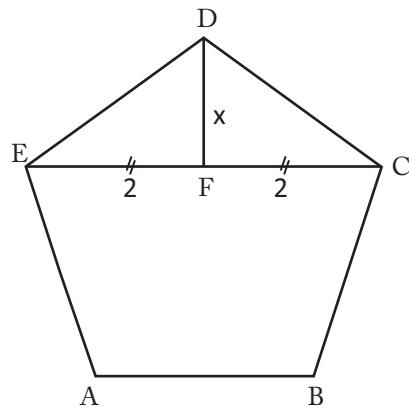
Çokgenler

89)



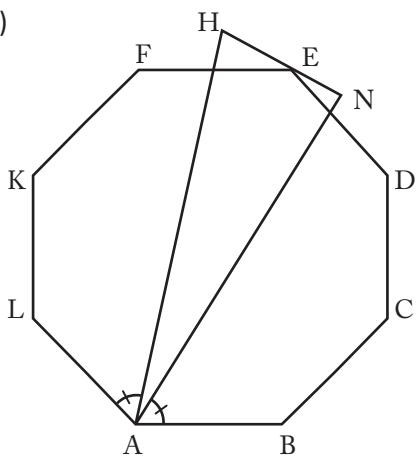
ABCDEF.....
düzgün sekizgen
 $|LN| \cdot |NC| = 12\text{cm}^2$
 $x = ?$

93)



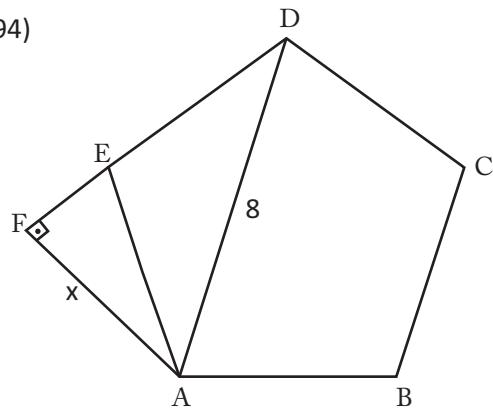
ABCDE
düzgün beşgen
 $x=?$

90)



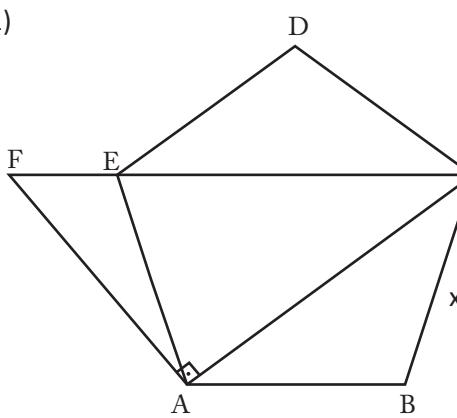
ABCDEF.....
düzgün sekizgen
5. $|EN| = 3$. $|EH|$
 $|AH| = 15$ cm
 $|AN| = ?$

94)



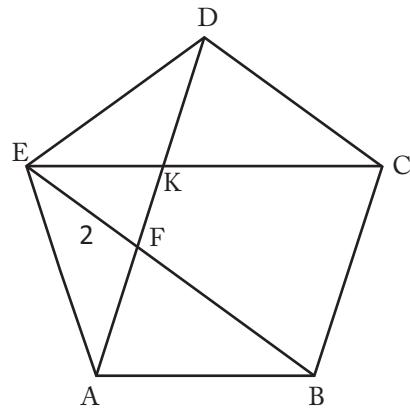
ABCDE
düzgün beşgen
[DF] \perp [AF]
 $x^2 = ?$

91)



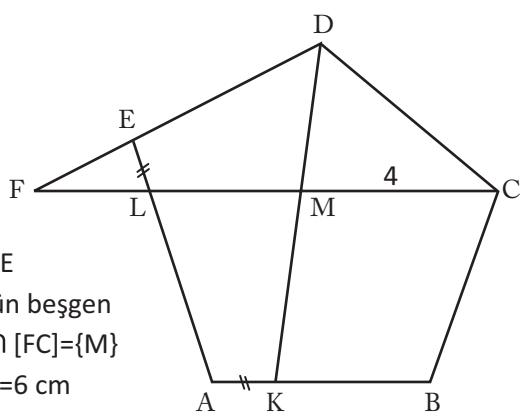
ABCDE
üzgün beşgen
C,E ve F
doğrusal
 $|FC|=16 \text{ cm}$
 $x=?$

95)



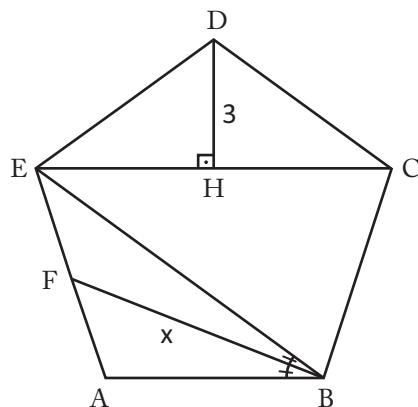
ABCDE
düzgün beşgen
 $|KE|=?$

92)



ABCDE
düzgün beşgen
[DK] \cap [FC] = {M}
 $|FM| = 6 \text{ cm}$
 $|DF| = ?$

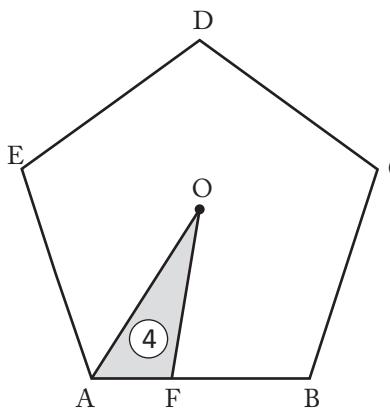
96)



ABCDE
düzgün beşgen
 $x=?$

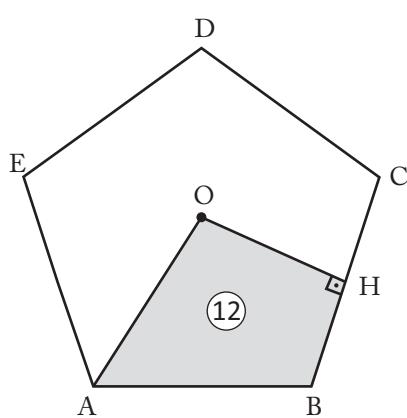
Çokgenler

97)



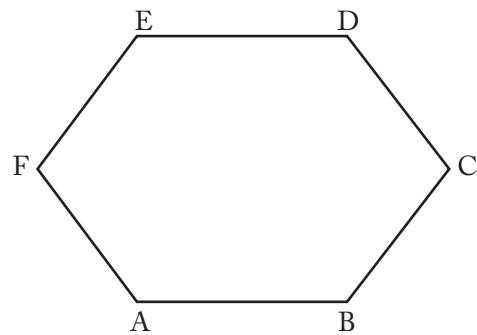
O:ABCDE
düzgün beşgenin
ağırlık merkezi
3. $|AF|=|BF|$
beşgenin alanını
bulunuz.

98)



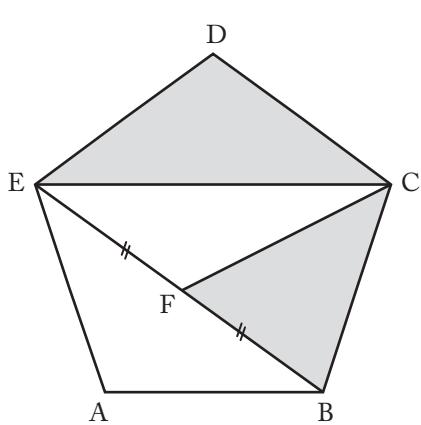
O:ABCDE
düzgün beşgenin
ağırlık merkezi
ise
A(ABCDE)=?

101)



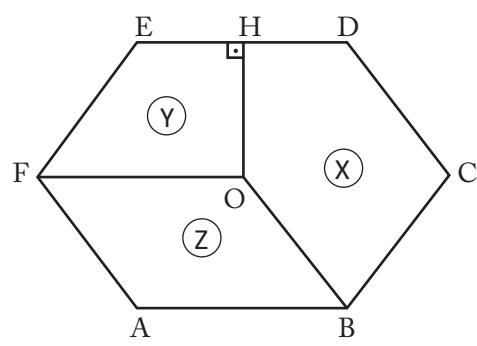
Çevresi 24 cm
olan düzgün
altigenin alanını
bulunuz

99)



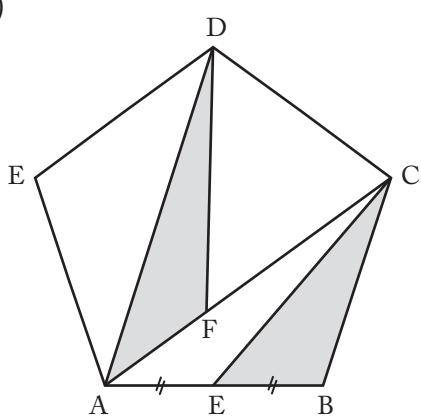
ABCDE
düzgün beşgen
taralı alanlar
toplamı 18 cm^2
ise A(ABCDE)=?

103)



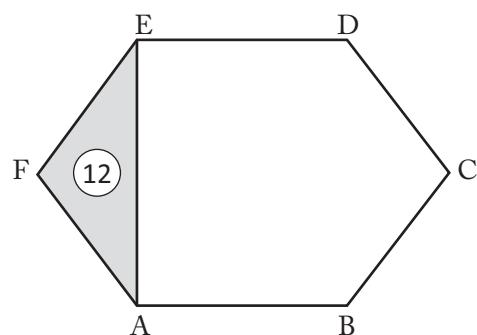
O:ABCDEF
düzgün altigenin
ağırlık merkezi
X, Y ve Z
bulundukları
bögelerin alanları
ise
 $\frac{X}{Y} + \frac{Y}{Z} = ?$

100)



ABCDE
düzgün beşgen
3. $|AF|=|FC|$
taralı alanlar
toplamı 8 cm^2
ise
A(ABCDE)=?

104)

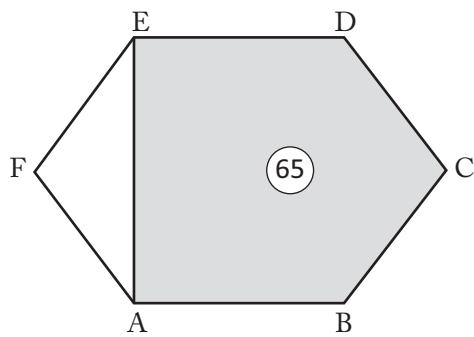


ABCDEF
düzgün altigenin
alanını
bulunuz

Çokgenler

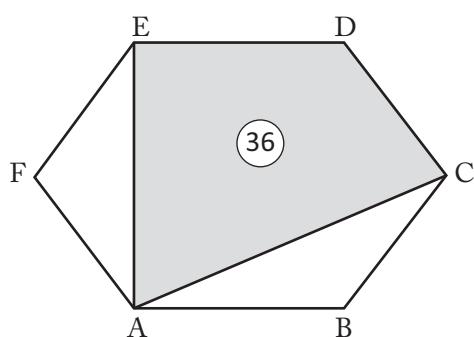
Çokgenler

105)



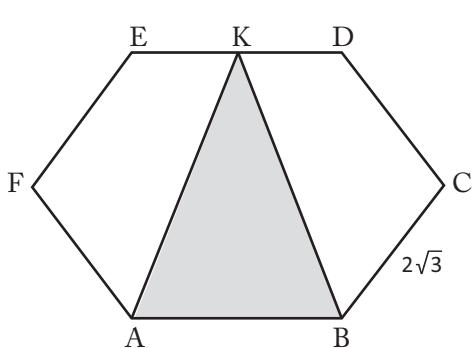
ABCDEF düzgün altıgenin alanı bulunuz

106)



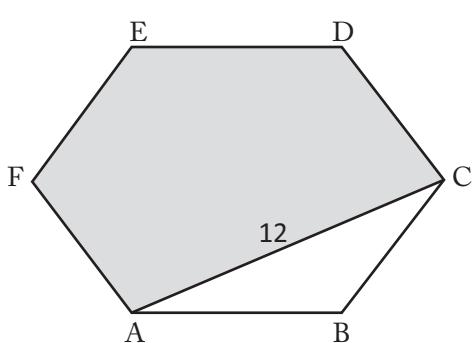
ABCDEF düzgün altıgenin alanı bulunuz

107)



ABCDEF düzgün altıgen taralı alanı bulunuz

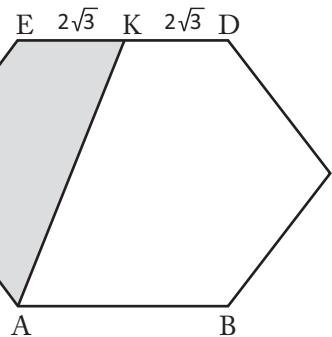
108)



ABCDEF düzgün altıgen taralı alanı bulunuz

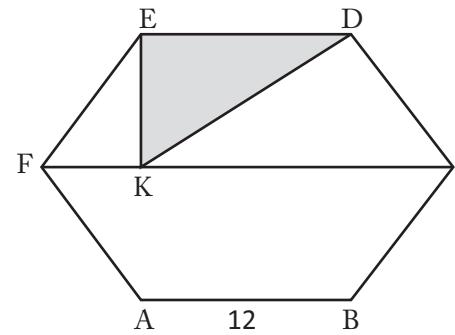
Çokgenler

109)



ABCDEF
düzgün
altıgen
taralı alanı
bulunuz

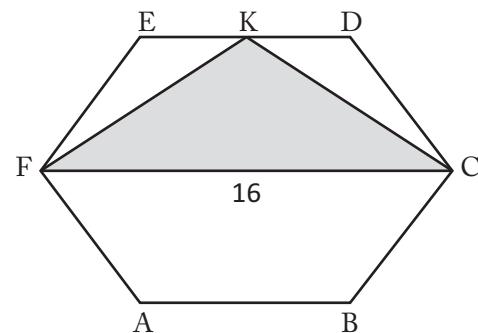
110)



ABCDEF
düzgün altıgen
F,K ve C doğrusal
taralı alanı
bulunuz

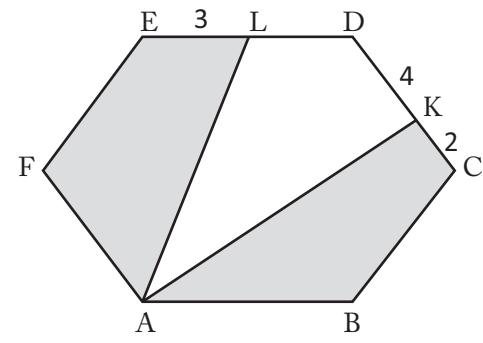
A
L
P
E
R

U
L
U
T
E
P
E



ABCDEF düzgün altıgen taralı alanı bulunuz

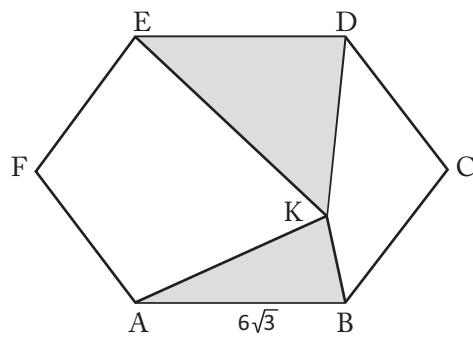
112)



ABCDEF düzgün altıgen taralı alanlar
toplamını bulunuz

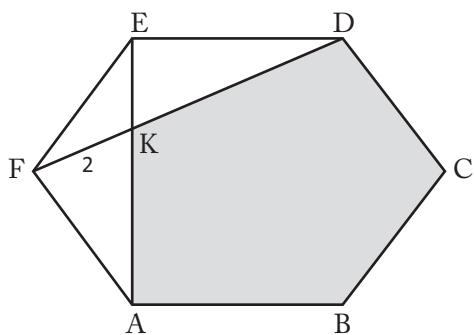
Çokgenler

113)



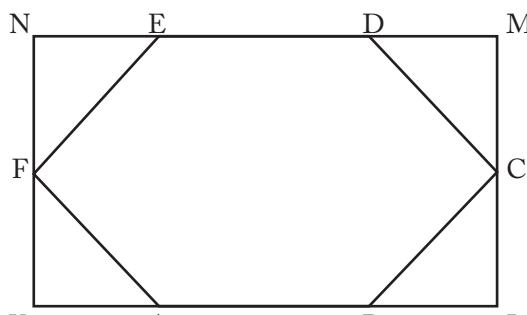
ABCDEF
düzgün
altigen
taralı alanlar
toplamını
bulunuz

117)



ABCDEF
düzgün
altigen
taralı alanı
bulunuz

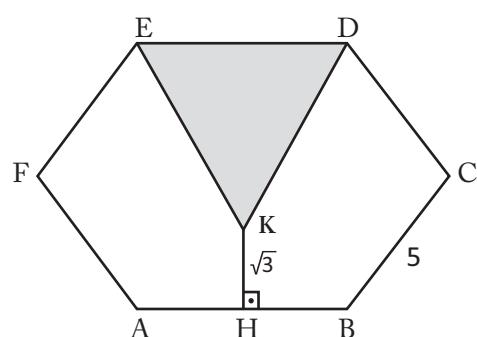
114)



ABCDEF düzgün altigen
KLMN dikdörtgen

$$\frac{A(ABCDEF)}{A(KLMN)} = ?$$

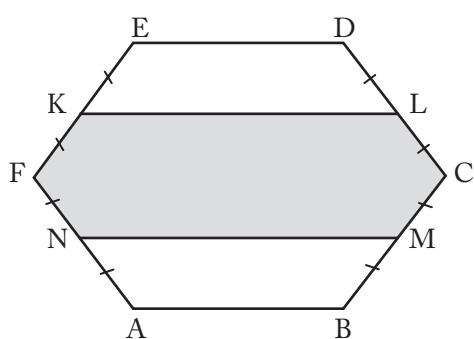
118)



A
L
P
E
R

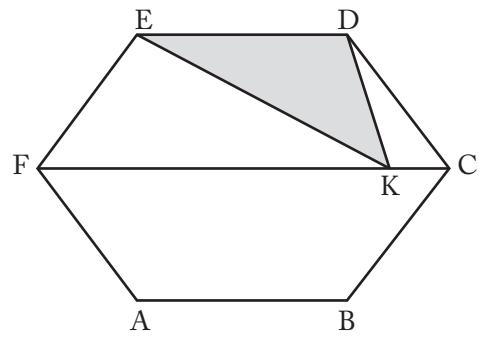
ABCDEF
düzgün
altigen
taralı alanı
bulunuz

115)



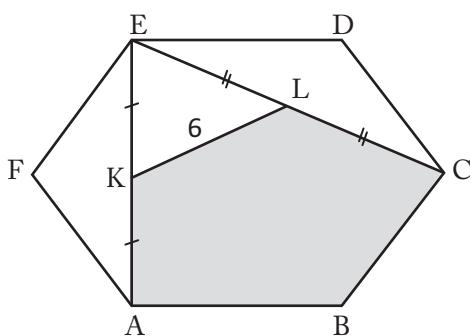
ABCDEF
düzgün altigen
taralı alan
21 cm² ise
A(ABCDEF)=?

119)



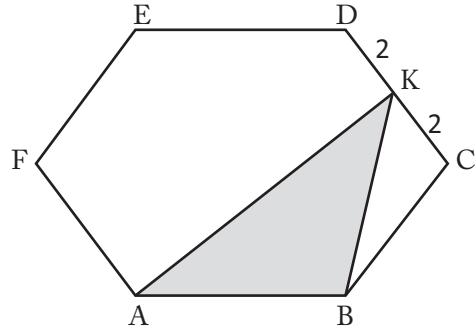
ABCDEF
düzgün altigen
taralı alan
9\sqrt{3} cm²
Ç(ABCDEF)=?

116)



ABCDEF düzgün altigen taralı alanı bulunuz

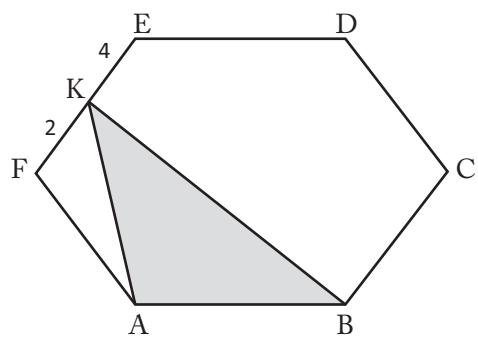
120)



ABCDEF düzgün altigen taralı alanı bulunuz

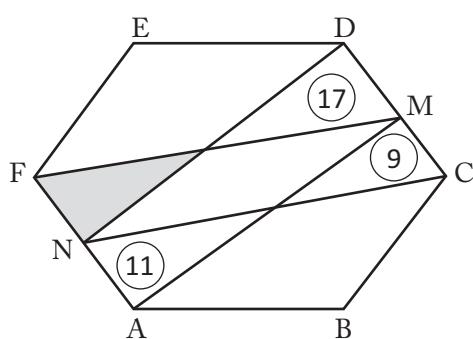
Çokgenler

121)



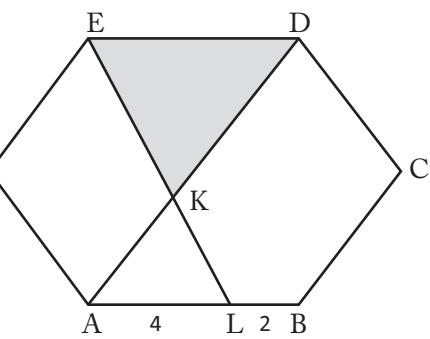
ABCDEF
düzgün
altigen
taralı alanı
bulunuz

122)



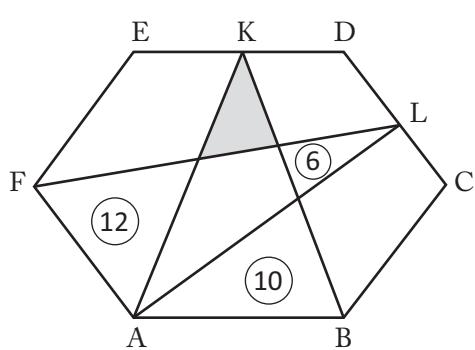
ABCDEF
düzgün
altigen
taralı alanı
bulunuz

125)



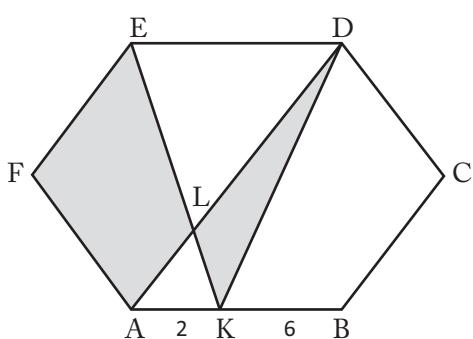
ABCDEF
düzgün altigen
[EL] ∩ [AD]={K}
taralı alanı
bulunuz.

123)



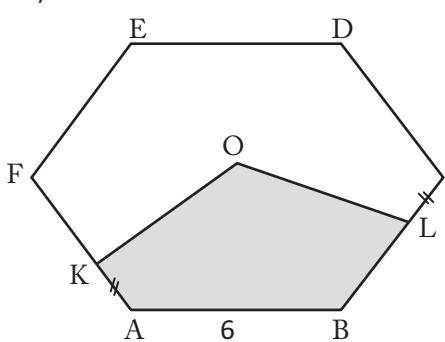
ABCDEF
düzgün
altigen
taralı alanı
bulunuz

126)



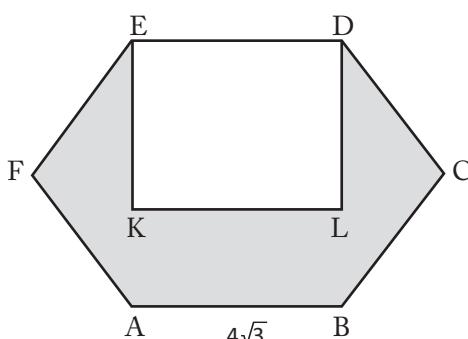
ABCDEF
düzgün altigen
[EK] ∩ [AD]={L}
taralı alanlar
toplamını
bulunuz.

127)



O:ABCDEF
düzgün altigenin
ağırlik merkezi
ise taralı alanı
bulunuz

124)

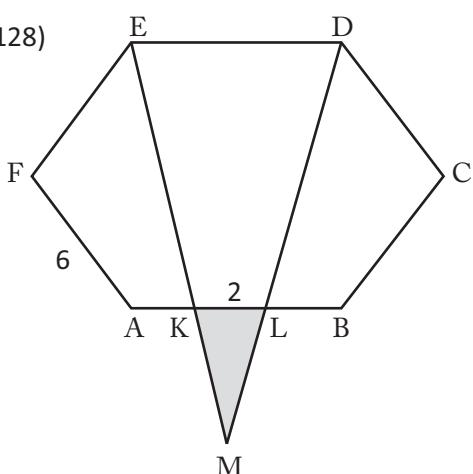


ABCDEF düzgün altigen EDLK kare ise
taralı alanı bulunuz

Çokgenler

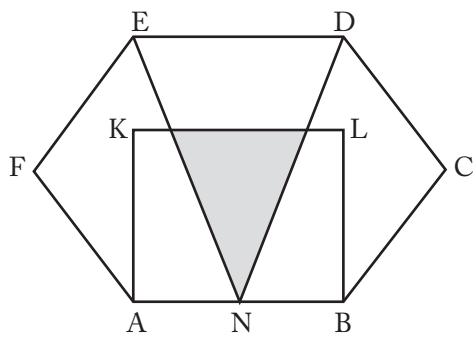
ABCDEF
düzgün
altigen taralı
alanı bulunuz

128)



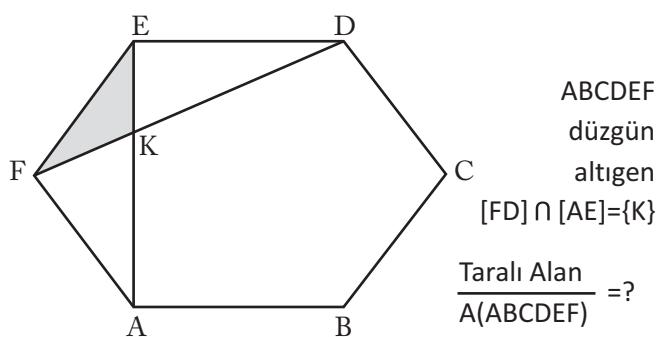
Çokgenler

129)



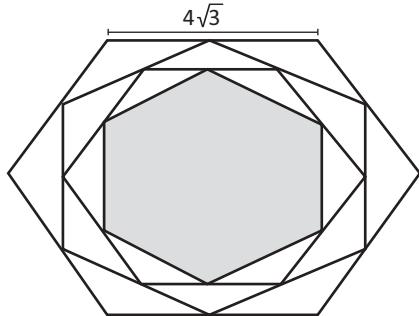
ABCDEF
düzgün
altigen
ABLK kare,
taralı alan
 6cm^2 ise
 $A(\text{ABCDEF})=?$

130)



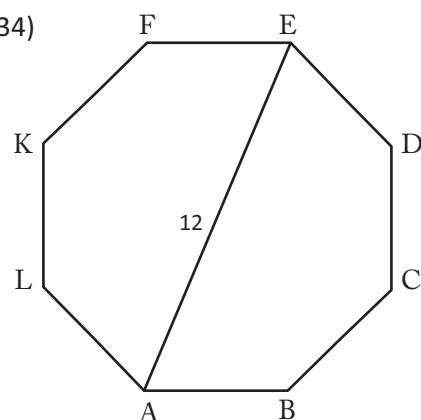
ABCDEF
düzgün
altigen
 $[\text{FD}] \cap [\text{AE}] = \{K\}$
 $\frac{\text{Taralı Alan}}{A(\text{ABCDEF})} = ?$

133)



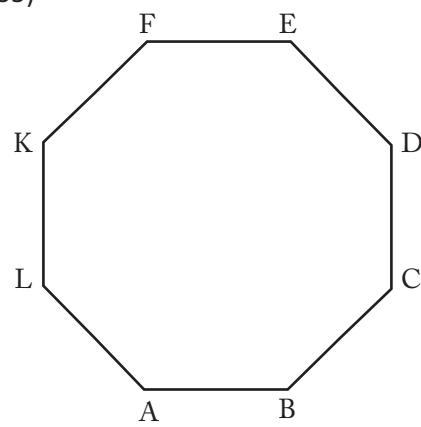
Kenarlarının
orta noktalarının
birleşmesiyle elde
edilen düzgün
altigenlerden
taralı alanı bulunuz

134)



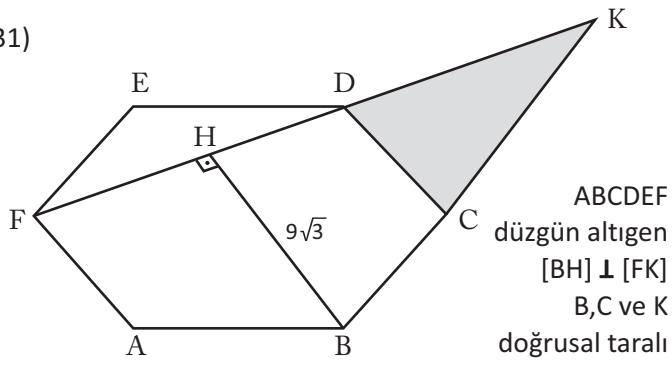
ABCDEFKL
düzgün
sekizgenin
alanını
bulunuz.

135)



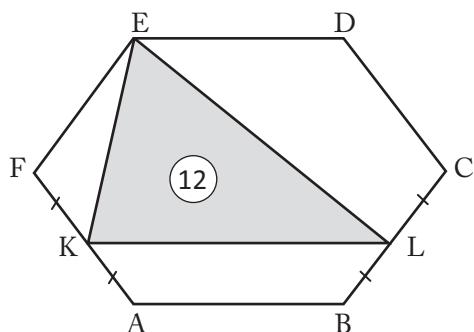
Çevresi $32\sqrt{2}$ cm
olan düzgün
sekizgenin
alanını
bulunuz.

131)



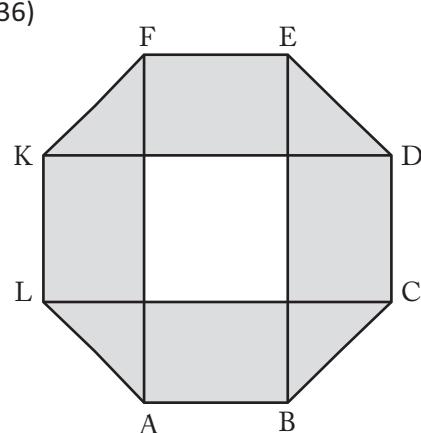
ABCDEF
düzgün altigen
 $[\text{BH}] \perp [\text{FK}]$
B, C ve K
doğrusal taralı
alanı bulunuz

132)



ABCDEF düzgün altigenin alanını bulunuz

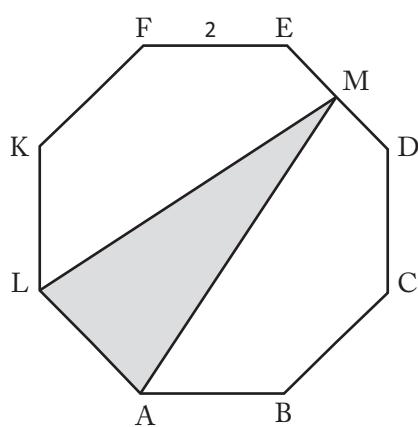
136)



Düzgün sekizgenin
bir kenarı $3\sqrt{2}$ cm
taralı alanı
bulunuz.

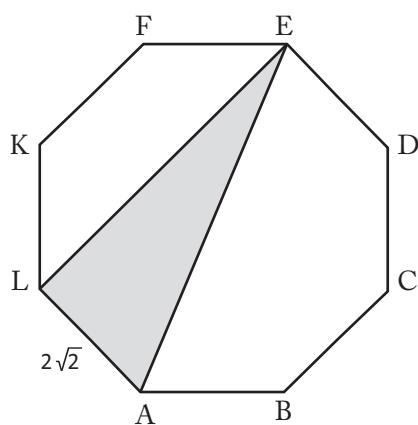
Çokgenler

137)



ABCDEFKL
düzgün
sekizgen
taralı alanı
bulunuz.

138)

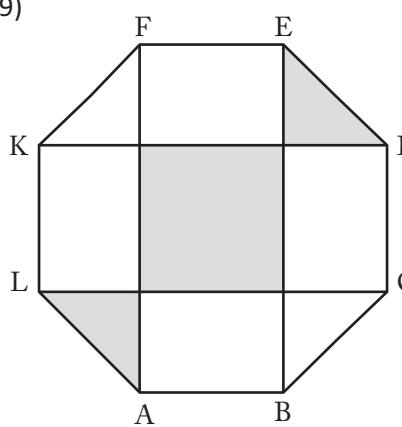


ABCDEFKL
düzgün
sekizgen
taralı alanı
bulunuz.

141)

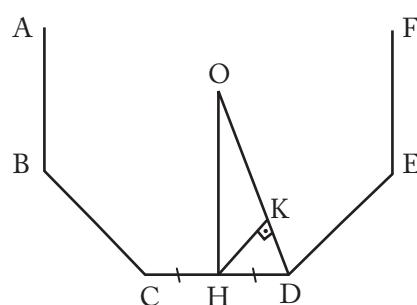
Kısa köşegeni 6 cm olan düzgün onikigenin
alanını bulunuz.

139)

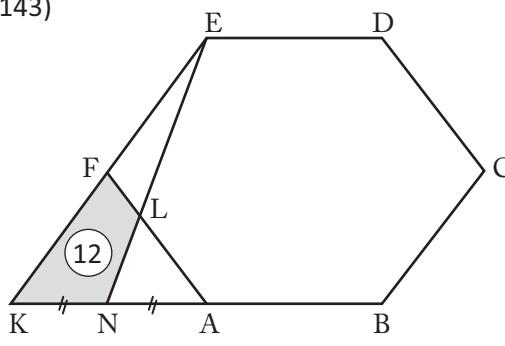


ABCDEFKL
düzgün sekizgen'de
taralı alanlar
toplamı 27 cm^2 ise
sekizgenin
çevresi kaç cm'dir?

142)



143)

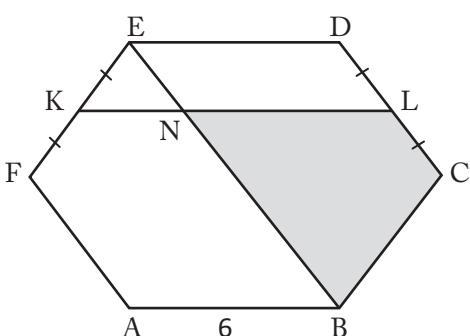


ABCDEF
Düzgün altigen
[EK] \cap [BK] = {K}
E, L ve N
doğrusal
A(ABCDEF) = ?

140)

Uzun köşegeni 16 cm olan düzgün onikigenin
alanını bulunuz

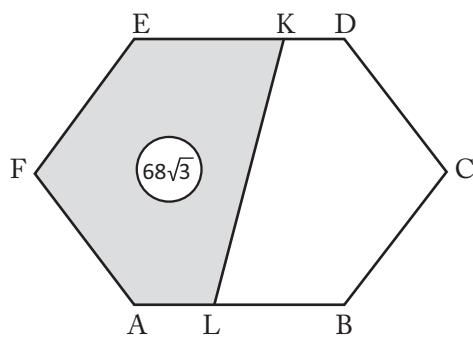
144)



ABCDEF
düzgün altigen
[BE] \cap [KL] = {N}
taralı alanı
bulunuz

Çokgenler

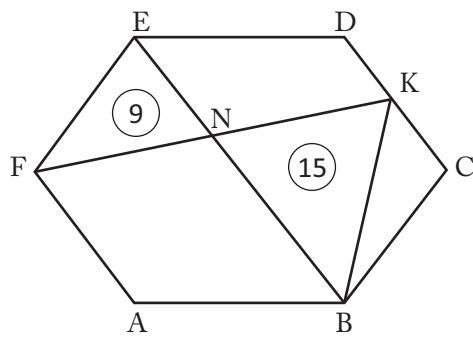
145)



ABCDEF düzgün altigen

$$6 \cdot |KD| = 3 \cdot |AL| = 2 \cdot |BL| \quad A(ABCDEF) = ?$$

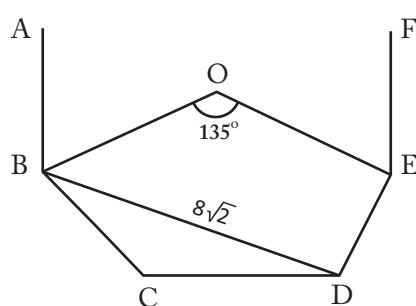
146)



ABCDEF düzgün altigen $[BE] \cap [FK] = \{N\}$

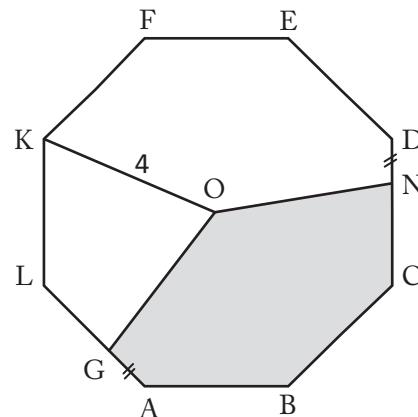
$$A(ABCDEF) = ?$$

147)



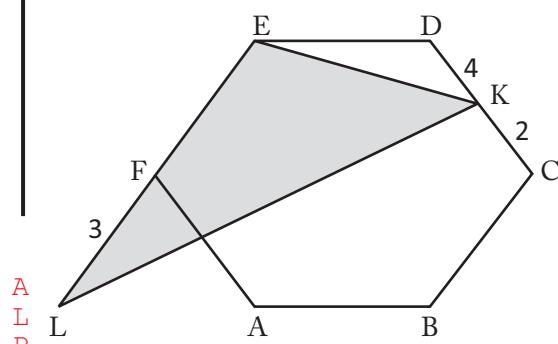
O:ABCDEF.....
düzgün çokgenin
merkezi ise
çokgenin
alanını bulunuz

149)



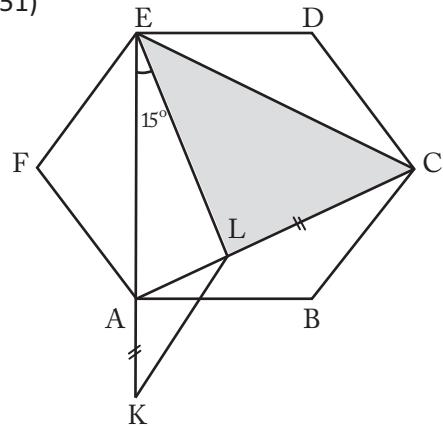
O:ABCDEFKL
düzgün sekizgenin
merkezi taralı
alanı bulunuz

150)



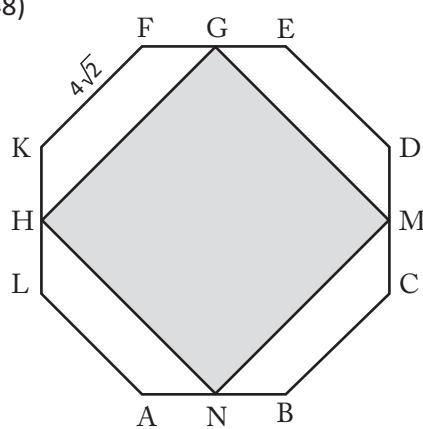
ABCDEF
düzgün altigen
E, F ve L
doğrusal
taralı alanı
bulunuz

151)



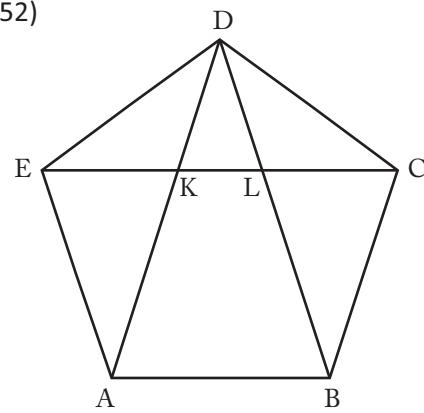
ABCDEF
Düzgün altigen
E, A ve K
doğrusal
 $|KL| = 6$ cm ise
 $A(ABCDEF) = ?$

148)



ABCDEKL
düzgün sekizgen
H, G, M ve N
bulundukları
kenarların orta
noktaları ise taralı
alanı bulunuz

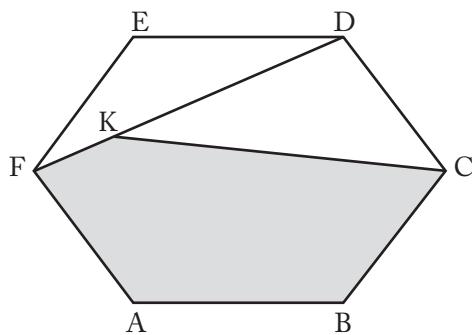
152)



ABCDE
düzgün beşgen
 $\frac{A(DKL)}{A(ABLK)} = ?$

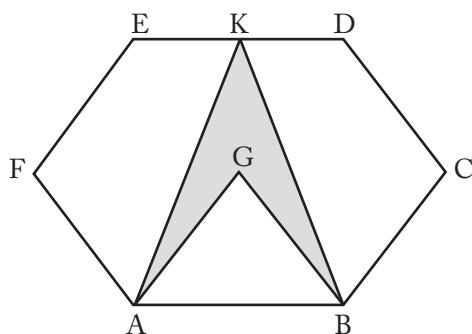
Çokgenler

153)



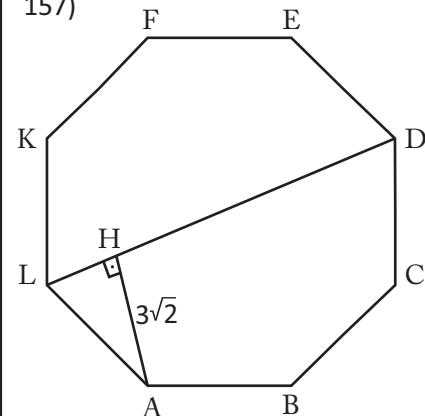
ABCDEF düzgün altıgen $|FK|=|KD|=3\sqrt{3}$ cm
taralı alanı bulunuz

154)



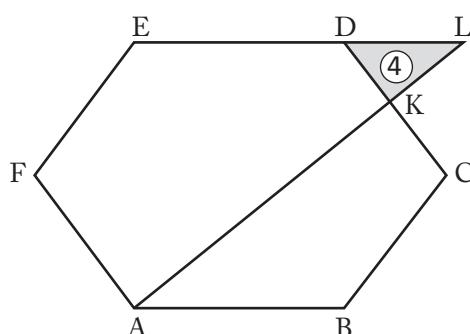
G:ABCDEF düzgün altıgenin ağırlık merkezi taralı alan
 $8\sqrt{3}$ cm² ise altıgenin alanını bulunuz

157)



ABCDE.....
düzgün sekizgenin
alanı bulunuz

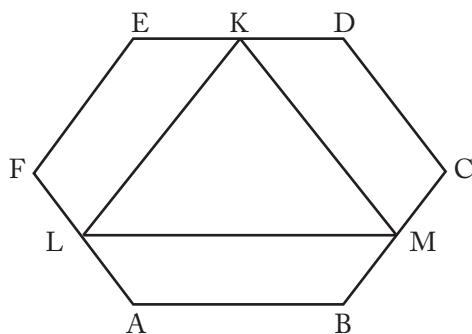
158)



ABCDEF düzgün altıgen $[EL] \cap [AL]=\{L\}$
2. $|DK|=|KC|$ $A(ABCDEF)=?$

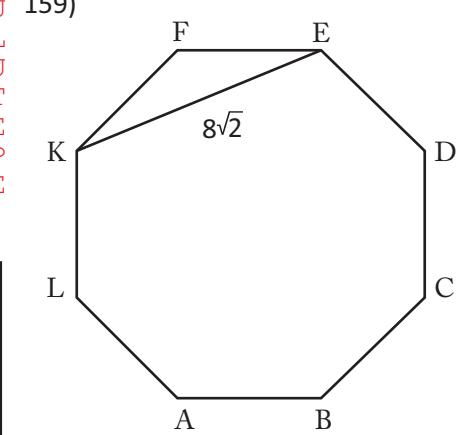
A
L
P
E
R

155)



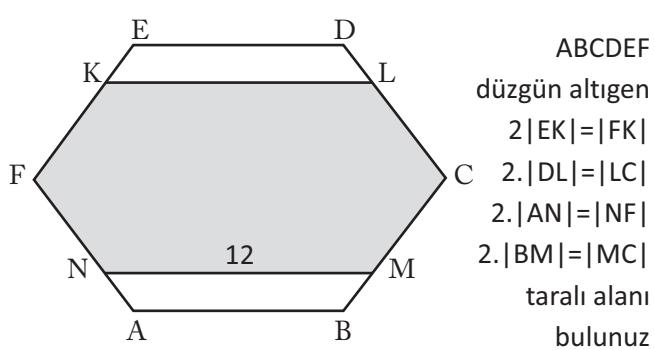
ABCDEF düzgün altıgen K,L,ve M bulundukları
kenarların orta noktaları ise $\frac{A(KLM)}{A(ABCDEF)}=?$

U
L
U
T
E
P
E



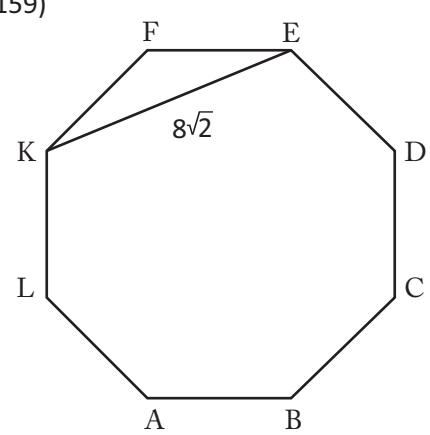
ABCDEFKL
düzgün sekizgenin
alanı bulunuz

156)



ABCDEF
düzgün altıgen
2.|EK|=|FK|
2.|DL|=|LC|
2.|AN|=|NF|
2.|BM|=|MC|
taralı alanı
bulunuz

159)



U
L
U
T
E
P
E

160)

Düzgün sekizgenin tüm köşelerinden geçen
kare'nin çevresi $16+8\sqrt{2}$ ise düzgün sekizgenin
alanını bulunuz

Cevap Anahtarı

