

Keyifli Okumalar Dileriz

Binlerce kategoride milyonlarca PDF e-kitap, ders kitapları, dergiler ve romanlara platformumuz üzerinden ücretsiz ulaşabilirsiniz.

RESMİ WEB SİTEMİZ

<https://rantey.org>

Yedek ve Duyuru Kanallarımız

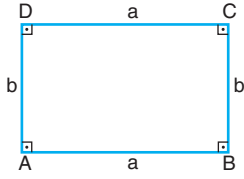
Sitemize erişim engeli gelmesi veya adres değişikliği durumunda aşağıdaki kanallardan güncel giriş adresine erişebilirsiniz:

- Telegram: <https://t.me/birkitapbir>
- WhatsApp Kanalımız : <https://whatsapp.com/channel/0029VbDHv8uE50Us4lvMoc0Y>

DİKDÖRTGEN

? Tanım

Bütün açıları 90° olan paralelkenara **dikdörtgen** denir.



$$[DC] \parallel [AB]$$

$$[AD] \parallel [BC]$$

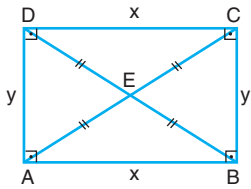
$$m(\widehat{A}) = m(\widehat{B}) = m(\widehat{C}) = m(\widehat{D}) = 90^\circ$$

$$\text{Çevre}(ABCD) = 2 \cdot (a + b)$$

$$\text{Alan}(ABCD) = a \cdot b$$

Dikdörtgen bir paralelkenar olduğundan paralelkenarın tüm özelliklerini sağlar.

Dikdörtgende köşegenler birbirine eşittir ve birbirini ortalar.



E noktası aynı

zamanda dikdörtgenin

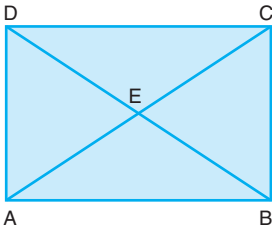
ağırlık merkezidir.

$$|AC| = |BD| = \sqrt{x^2 + y^2}$$

$$|AE| = |EC| = |DE| = |BE|$$

$$A(\widehat{AEB}) = A(\widehat{BEC}) = A(\widehat{CED}) = A(\widehat{DEA})$$

Soru 1



ABCD dikdörtgen

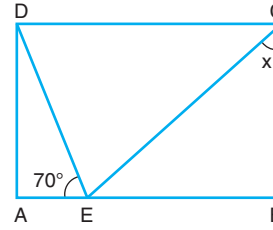
$$[AC] \cap [BD] = \{E\}$$

$$m(\widehat{ACB}) = m(\widehat{BDC}) + 24^\circ$$

Yukarıda verilene göre, $m(\widehat{CAB})$ kaç derecedir?

- A) 28 B) 30 C) 32 **D) 33** E) 36

Soru 2



ABCD dikdörtgen

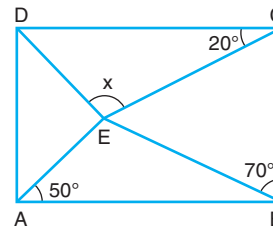
$$|AB| = |CE|$$

$$m(\widehat{AED}) = 70^\circ$$

Yukarıda verilene göre, $m(\widehat{BCE}) = x$ kaç derecedir?

- A) 30 B) 40 **C) 50** D) 60 E) 70

Soru 3



ABCD dikdörtgen

$$m(\widehat{DCE}) = 20^\circ$$

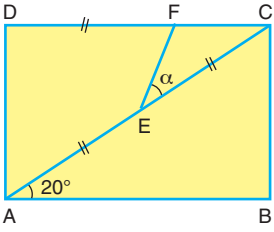
$$m(\widehat{CBE}) = 70^\circ$$

$$m(\widehat{EAB}) = 50^\circ$$

Yukarıda verilene göre, $m(\widehat{DEC}) = x$ kaç derecedir?

- A) 125 B) 120 C) 115 **D) 110** E) 105

Soru 4

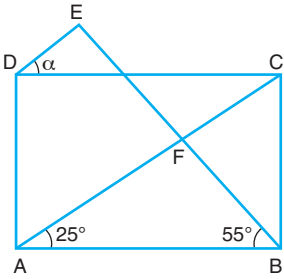


ABCD dikdörtgen
[AC] köşegen
 $|AE| = |EC| = |DF|$
 $m(\widehat{CAB}) = 20^\circ$

Yukarıda verilenlere göre, $m(\widehat{FEC}) = \alpha$ kaç derecedir?

- A) 30 B) 35 C) 40 D) 50 E) 60

Soru 5

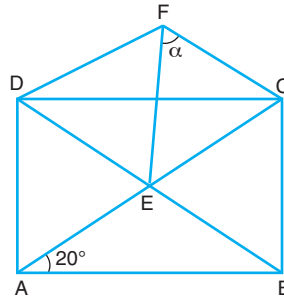


ABCD dikdörtgen
[AC] $\cap$ [BE] = {F}
 $|AC| = |EB|$
 $m(\widehat{CAB}) = 25^\circ$
 $m(\widehat{EBA}) = 55^\circ$

Yukarıda verilenlere göre, $m(\widehat{EDC}) = \alpha$ kaç derecedir?

- A) 50 B) 48 C) 45 D) 42 E) 40

Soru 6

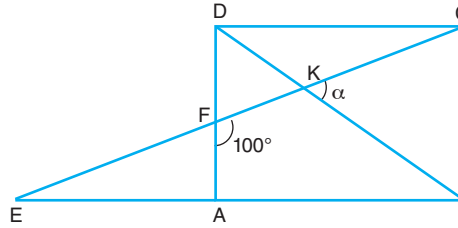


ABCD dikdörtgen
FDE eşkenar üçgen
[BD] $\cap$ [AC] = {E}
 $m(\widehat{BAC}) = 20^\circ$
 $m(\widehat{EFC}) = \alpha$

Yukarıdaki verilere göre, α kaç derecedir?

- A) 30 B) 35 C) 40 D) 45 E) 50

Soru 7

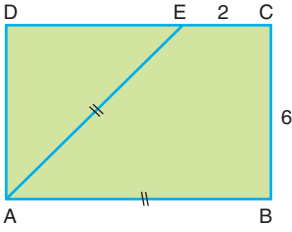


ABCD bir dikdörtgen
E, A, B doğrusal
[BD] $\cap$ [CE] = {K}
 $|EA| = |BD|$
 $m(\widehat{AFK}) = 100^\circ$
 $m(\widehat{BKC}) = \alpha$

Yukarıdaki verilere göre, α kaç derecedir?

- A) 30 B) 35 C) 40 D) 45 E) 50

Soru 8

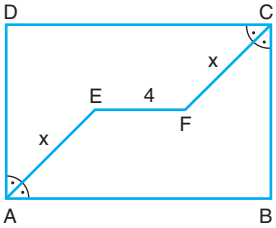


ABCD dikdörtgen
 $|AE| = |AB|$
 $|BC| = 6 \text{ br}$
 $|EC| = 2 \text{ br}$

Yukarıda verilene göre, ABCD dikdörtgeninin çevresinin uzunluğu kaç birimdir?

- A) 30 B) 32 C) 34 D) 36 E) 38

Soru 9

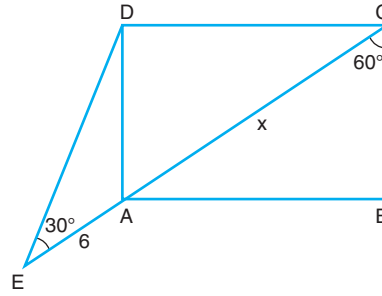


ABCD dikdörtgen
 $[AE]$ ve $[CF]$ açıortay
 $|AE| = |FC| = x \text{ br}$
 $|EF| = 4 \text{ br}$
 $\angle(ABCD) = 80 \text{ br}$

Yukarıda verilene göre, x kaç birimdir?

- A) $9\sqrt{2}$ B) $8\sqrt{2}$ C) $7\sqrt{2}$ D) $6\sqrt{2}$ E) $5\sqrt{2}$

Soru 10

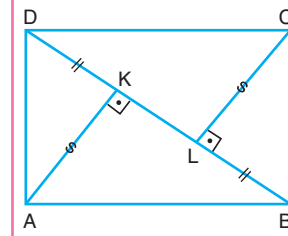


ABCD dikdörtgen
 $m(\widehat{DEC}) = 30^\circ$
 $m(\widehat{ECB}) = 60^\circ$
 $|EA| = 6 \text{ br}$

Yukarıda verilene göre, $|AC| = x$ kaç birimdir?

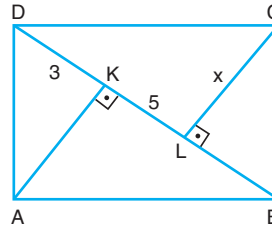
- A) 8 B) 9 C) $6\sqrt{3}$ D) 12 E) $12\sqrt{3}$

Özellik



ABCD dikdörtgen
 $|AK| = |LC|$
 $|DK| = |BL|$

Soru 11

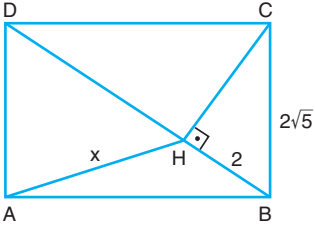


ABCD dikdörtgen
 $[AK] \perp [DB]$
 $[CL] \perp [DB]$
 $|DK| = 3 \text{ br}$
 $|KL| = 5 \text{ br}$

Yukarıda verilene göre, $|CL| = x$ kaç birimdir?

- A) 4 B) $3\sqrt{2}$ C) $2\sqrt{5}$ D) $2\sqrt{6}$ E) 5

Soru 12

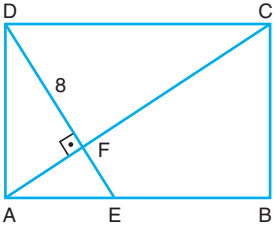


ABCD dikdörtgen
[CH] $\perp$ [BD]
|BC| = $2\sqrt{5}$ br
|BH| = 2 br

Yukarıda verilene göre, |AH| = x kaç birimdir?

- A) $4\sqrt{2}$ B) 6 C) $2\sqrt{10}$ D) $2\sqrt{13}$ E) 8

Soru 13

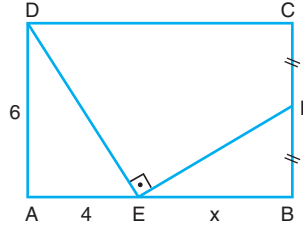


ABCD dikdörtgen
[AC] $\perp$ [DE]
 $3|AE| = |EB|$
|DF| = 8 br

Yukarıda verilene göre, A(ABCD) kaç birimkaredir?

- A) 160 B) 156 C) 152 D) 148 E) 144

Soru 14

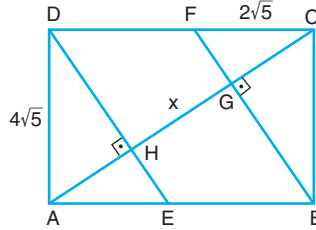


ABCD dikdörtgen
[DE] $\perp$ [EF]
|CF| = |FB|
|AD| = 6 br
|AE| = 4 br

Yukarıda verilene göre, |EB| = x kaç birimdir?

- A) $\frac{13}{2}$ B) $\frac{11}{2}$ C) 5 D) $\frac{9}{2}$ E) 4

Soru 15

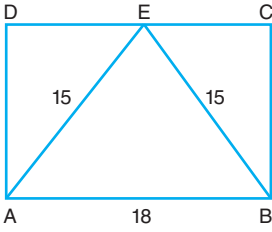


ABCD bir dikdörtgen
[BF] $\perp$ [AC]
[DE] $\perp$ [AC]
|CF| = $2\sqrt{5}$ cm
|AD| = $4\sqrt{5}$ cm
|GH| = x

Yukarıdaki verilere göre, x kaç cm dir?

- A) 10 B) 11 C) 12 D) 13 E) 14

Soru 16

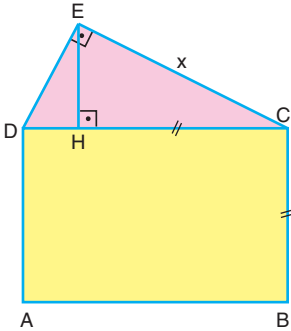


ABCD dikdörtgen
AEB üçgen
 $|AE| = |EB| = 15$ br
 $|AB| = 18$ br

Yukarıda verilenlere göre, $A(ABCD)$ kaç birimkaredir?

- A) 180 B) 198 C) 216 D) 234 E) 252

Soru 17

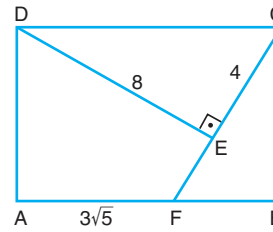


ABCD dikdörtgen
 $[EH] \perp [DC]$
 $[DE] \perp [EC]$
 $|BC| = |HC|$
 $A(ABCD) = 24 \text{ br}^2$

Yukarıda verilenlere göre, $|EC| = x$ kaç birimdir?

- A) 4 B) $3\sqrt{2}$ C) $2\sqrt{5}$ D) $2\sqrt{6}$ E) 5

Soru 18

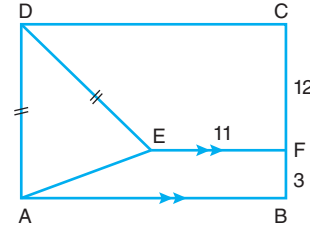


ABCD dikdörtgen
 $[DE] \perp [FC]$
 $|EC| = 4$ br
 $|DE| = 8$ br
 $|AF| = 3\sqrt{5}$ br

Yukarıda verilenlere göre, $A(ABCD)$ kaç birimkaredir?

- A) 30 B) 32 C) 36 D) 40 E) 50

Soru 19

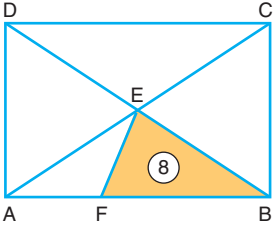


ABCD dikdörtgen
 $[EF] \parallel [AB]$
 $|AD| = |ED|$
 $|EF| = 11$ br
 $|FB| = 3$ br
 $|FC| = 12$ br

Yukarıda verilenlere göre, $A(ABCD)$ kaç birimkaredir?

- A) 240 B) 270 C) 300 D) 330 E) 360

Soru 20

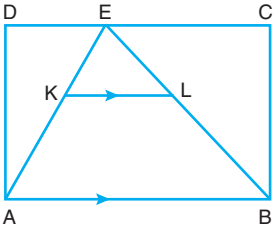


ABCD dikdörtgen
 $[AC] \cap [BD] = \{E\}$
 $2|AF| = |FB|$
 $A(\widehat{FEB}) = 8 \text{ br}^2$

Yukarıda verilenlere göre, $A(ABCD)$ kaç birimkaredir?

- A) 32 B) 36 C) 40 D) 44 E) 48

Soru 21

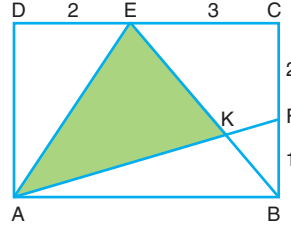


ABCD dikdörtgen
 AEB üçgen
 $[KL] \parallel [AB]$
 $2|EK| = |KA|$
 $A(AKLB) = 32 \text{ cm}^2$

Yukarıda verilenlere göre, $A(ABCD)$ kaç santimetrekaredir?

- A) 48 B) 64 C) 72 D) 80 E) 96

Soru 22



ABCD dikdörtgen
 $[AF] \cap [BE] = \{K\}$
 $|FB| = 1 \text{ cm}$
 $|EC| = 3 \text{ cm}$
 $|DE| = |CF| = 2 \text{ cm}$

Yukarıda verilenlere göre, $A(\widehat{AEK})$ kaç santimetredir?

- A) $\frac{13}{3}$ B) $\frac{9}{2}$ C) $\frac{55}{12}$ D) $\frac{29}{6}$ E) $\frac{65}{12}$