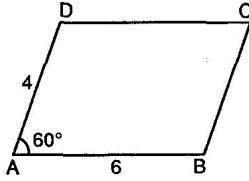


PARALELKENAR

PARALELKENAR

Konu Kavrama Testi - 1

1.

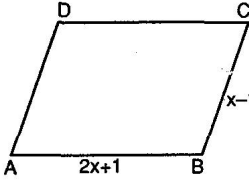


ABCD bir paralelkenar
 $m(\widehat{BAD}) = 60^\circ$
 $|AB| = 6 \text{ cm}$
 $|AD| = 4 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) $4\sqrt{3}$ B) $5\sqrt{3}$ C) $6\sqrt{3}$ D) $8\sqrt{3}$ E) $12\sqrt{3}$

2.

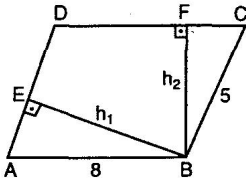


ABCD bir paralelkenar
 $|AB| = 2x + 1$
 $|BC| = x - 1$
 $|AB| = 3|BC|$

Yukarıdaki verilere göre, ABCD paralelkenarının çevresi kaç cm dir?

- A) 16 B) 18 C) 20 D) 24 E) 36

3.

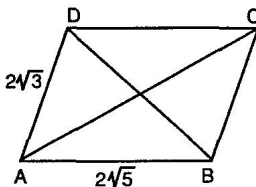


ABCD bir paralelkenar
 $[BE] \perp [AD]$
 $[BF] \perp [DC]$
 $|AB| = 8 \text{ cm}$
 $|BC| = 5 \text{ cm}$
 $|BE| = h_1$
 $|BF| = h_2$

Yukarıdaki verilere göre, $\frac{h_1}{h_2}$ oranı kaçtır?

- A) $\frac{5}{8}$ B) $\frac{5}{9}$ C) $\frac{1}{2}$ D) 1 E) $\frac{8}{5}$

4.

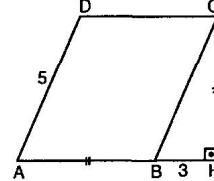


ABCD bir paralelkenar
 $|AC| = e$
 $|BD| = f$
 $|AD| = 2\sqrt{3} \text{ cm}$
 $|AB| = 2\sqrt{5} \text{ cm}$

Yukarıdaki verilere göre, $e^2 + f^2$ toplamı kaçtır?

- A) 64 B) 48 C) 44 D) 32 E) 16

5.

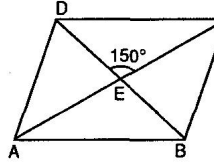


ABCD bir paralelkenar
 $[CH] \perp [HA]$
 $|AB| = |HC|$
 $|AD| = 5 \text{ cm}$
 $|BH| = 3 \text{ cm}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) 12 B) 15 C) 16 D) 20 E) 24

6.

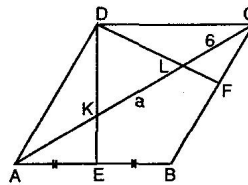


ABCD bir paralelkenar
 $m(\widehat{DEC}) = 150^\circ$
 $|AC| = 12 \text{ cm}$
 $|DE| = 4 \text{ cm}$
 $[AC] \cap [BD] = \{E\}$

Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?

- A) $24\sqrt{3}$ B) 24 C) $12\sqrt{3}$ D) 12 E) 10

7.

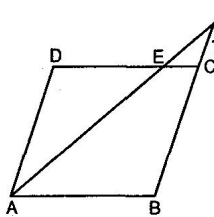


ABCD bir paralelkenar
 $[AC]$, köşegen
 $|AE| = |EB|$
 $|BF| = 2|FC|$
 $|LC| = 6 \text{ cm}$
 $|KL| = a$

Yukarıdaki verilere göre, $|KL| = a$ kaç cm dir?

- A) 8 B) 10 C) 12 D) 15 E) 16

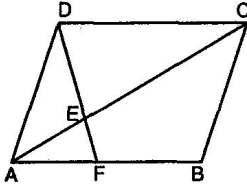
8.

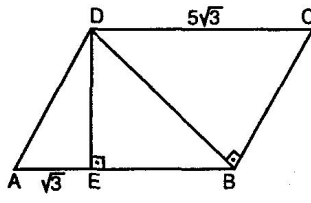


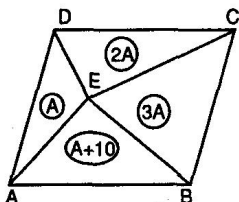
ABCD bir paralelkenar
 $|DE| = 3|EC|$
 $|FC| = 1 \text{ cm}$
 $E \in [AD]$
 $C \in [BF]$

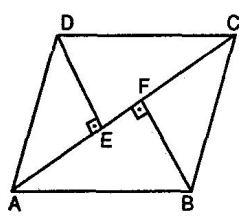
Yukarıdaki verilere göre, $|BF|$ kaç cm dir?

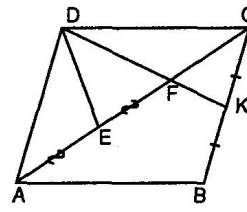
- A) 2 B) 3 C) 4 D) 5 E) 6

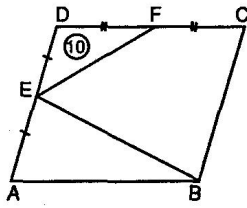
9.  ABCD bir paralelkenar
 $[AC] \cap [DF] = \{E\}$
 $2|AF| = 3|BF|$
 $\text{Alan}(AEF) = 18 \text{ cm}^2$
 Yukarıdaki verilere göre, $\text{Alan}(ADC)$ kaç cm^2 dir?
 A) 50 B) 60 C) 70 D) 80 E) 100

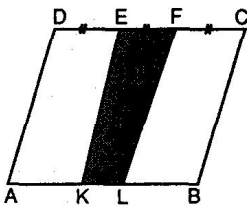
10.  ABCD bir paralelkenar
 $[DB] \perp [BC]$
 $[DE] \perp [AB]$
 $|DC| = 5\sqrt{3} \text{ cm}$
 $|AE| = \sqrt{3} \text{ cm}$
 Yukarıdaki verilere göre, $\text{Alan}(ABCD)$ kaç cm^2 dir?
 A) 15 B) 20 C) 25 D) 30 E) 45

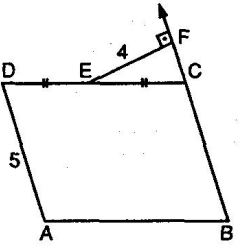
11.  ABCD bir paralelkenar
 $\text{Alan}(ADE) = A$
 $\text{Alan}(DEC) = 2A$
 $\text{Alan}(BEC) = 3A$
 $\text{Alan}(ABE) = A + 10$
 Yukarıdaki şekilde E, paralelkenar içinde bir noktaya olduğuna göre, ADE üçgeninin alanı kaç cm^2 dir?
 A) 5 B) 10 C) 15 D) 20 E) 25

12.  ABCD bir paralelkenar
 $[DE] \perp [AC]$
 $[BF] \perp [AC]$
 $|AE| = 2\sqrt{3} \text{ cm}$
 $|EF| = \sqrt{3} \text{ cm}$
 Yukarıdaki verilere göre, $|AC|$ kaç cm dir?
 A) $4\sqrt{3}$ B) $5\sqrt{3}$ C) $6\sqrt{3}$ D) $7\sqrt{3}$ E) $8\sqrt{3}$

13.  ABCD bir paralelkenar
 $[AC]$, köşegen
 D, F, K doğrusal
 $|BK| = |KC|$
 $|AE| = |EF|$
 $\text{Alan}(ADE) = 6 \text{ cm}^2$
 Yukarıdaki verilere göre, $\text{Alan}(ABKF)$ kaç cm^2 dir?
 A) 18 B) 15 C) 12 D) 10 E) 9

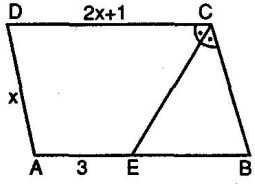
14.  ABCD bir paralelkenar
 $|AE| = |ED|$
 $|DF| = |FC|$
 $\text{Alan}(EDF) = 10 \text{ cm}^2$
 Yukarıdaki verilere göre, ABE üçgeninin alanı kaç cm^2 dir?
 A) 15 B) 20 C) 25 D) 30 E) 40

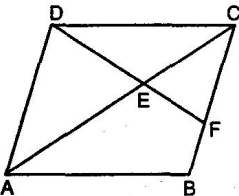
15.  ABCD bir paralelkenar
 $|DE| = |EF| = |FC|$
 $|AB| = 4|KL|$
 $A(ABCD) = 24 \text{ cm}^2$
 Yukarıdaki verilere göre, taralı KLFE dörtgeninin alanı kaç cm^2 dir?
 A) 4 B) 6 C) 7 D) 8 E) 10

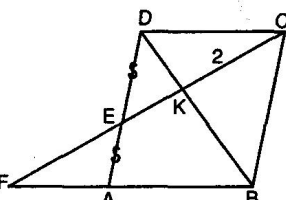
16.  ABCD bir paralelkenar
 $[EF] \perp [FB]$
 $|DE| = |EC|$
 $|EF| = 4 \text{ cm}$
 $|AD| = 5 \text{ cm}$
 Yukarıdaki verilere göre, $\text{Alan}(ABCD)$ kaç cm^2 dir?
 A) 40 B) 30 C) 25 D) 20 E) 15

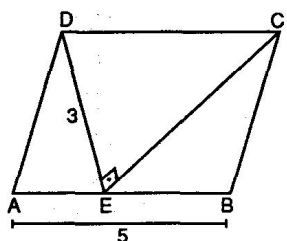
PARALELKENAR

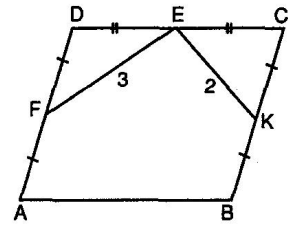
Konu Kavrama Testi - 2

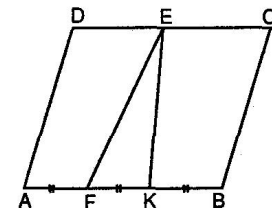
1.  ABCD bir paralelkenar
[CE], açıortay
|AD| = x
|DC| = 2x + 1
|AE| = 3 cm
- Yukarıdaki verilere göre, |DC| kaç cm dir?
- A) 6 B) 5 C) 4 D) 3 E) 2

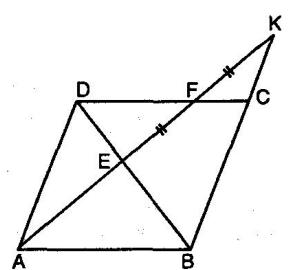
2.  ABCD bir paralelkenar
[AC] ∩ [DF] = {E}
|FC| = 3|BF|
|DF| = 14 cm
- Yukarıdaki verilere göre, |DE| kaç cm dir?
- A) 5 B) 6 C) 7 D) 8 E) 10

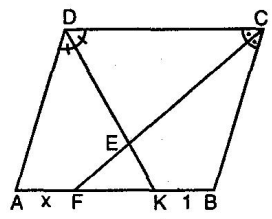
3.  ABCD bir paralelkenar
[BD] ∩ [FC] = {K}
|AE| = |ED|
|KC| = 2 cm
A ∈ [BF]
- Yukarıdaki verilere göre, |FK| kaç cm dir?
- A) 6 B) 5 C) 4 D) 3 E) 2

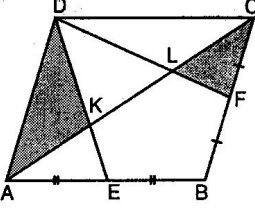
4.  ABCD bir paralelkenar
[DE] ⊥ [EC]
|AB| = 5 cm
|DE| = 3 cm
- Yukarıdaki verilere göre, Alan(ABCD) kaç cm² dir?
- A) 15 B) 12 C) 10 D) 8 E) 6

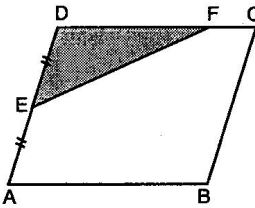
5.  ABCD bir paralelkenar
|BK| = |KC|
|AF| = |FD|
|DE| = |EC|
|EF| = 3 cm
|EK| = 2 cm
|AB| = a
|BC| = b
- Yukarıdaki verilere göre, a² + b² toplamı kaçtır?
- A) 13 B) 16 C) 20 D) 24 E) 26

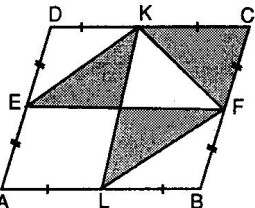
6.  ABCD bir paralelkenar
|AF| = |FK| = |KB|
Alan(EFK) = 4 cm²
E ∈ [DC]
- Yukarıdaki verilere göre, Alan(ABCD) kaç cm² dir?
- A) 12 B) 15 C) 18 D) 20 E) 24

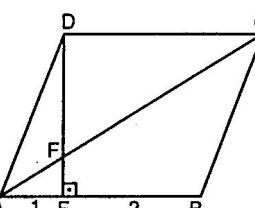
7.  ABCD bir paralelkenar
[BD] ∩ [AK] = {E}
|EF| = |FK|
|AE| = 3√2 cm
C ∈ [BK]
- Yukarıdaki verilere göre, |EF| kaç cm dir?
- A) 3 B) 3√2 C) 2√6 D) 3√3 E) 6

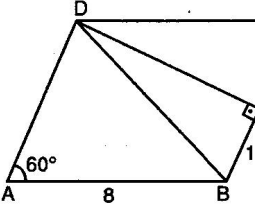
8.  ABCD bir paralelkenar
[DK] ve [CF], açıortaylar
|KB| = 1 cm
|AF| = x
- Yukarıdaki verilere göre, x kaç cm dir?
- A) $\frac{1}{2}$ B) 1 C) $\frac{3}{2}$ D) 2 E) $\frac{5}{2}$

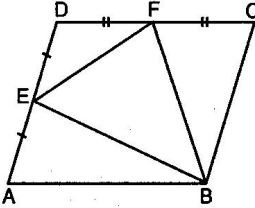
9.  ABCD bir paralelkenar
[AC], köşegen
|AE| = |EB|
|BF| = |FC|
- Yukarıdaki şekilde taralı alanlar toplamı 2 cm^2 olduğuna göre, Alan(ABCD) kaç cm^2 dir?
- A) 16 B) 12 C) 10 D) 8 E) 6

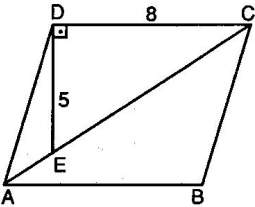
10.  ABCD bir paralelkenar
|DF| = 5|FC|
|AE| = |ED|
Alan(DEF) = 25 cm^2
- Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?
- A) 80 B) 100 C) 120 D) 130 E) 150

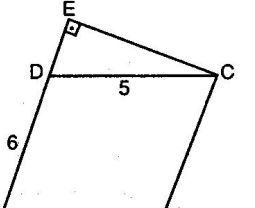
11.  ABCD bir paralelkenar
E, F, K ve L kenar orta noktaları
Alan(ABCD) = 40 cm^2
- Yukarıdaki verilere göre, taralı alanlar toplamı kaç cm^2 dir?
- A) 5 B) 8 C) 15 D) 16 E) 25

12.  ABCD bir paralelkenar
[AC], köşegen
[DE] $\perp$ [AB]
|AE| = 1 cm
|EB| = 2 cm
|DF| = $\frac{3}{2} \text{ cm}$
- Yukarıdaki verilere göre, |AC| kaç cm dir?
- A) 4 B) $3\sqrt{2}$ C) $2\sqrt{5}$ D) $2\sqrt{6}$ E) 5

13.  ABCD bir paralelkenar
[DE] $\perp$ [BC]
 $m(\widehat{BAD}) = 60^\circ$
|AB| = 8 cm
|BE| = 1 cm
- Yukarıdaki verilere göre, |BD| kaç cm dir?
- A) 7 B) $5\sqrt{2}$ C) $2\sqrt{13}$ D) $3\sqrt{6}$ E) 8

14.  ABCD bir paralelkenar
|AE| = |ED|
|DF| = |FC|
Alan(BEF) = 24 cm^2
- Yukarıdaki verilere göre, Alan(DEF) kaç cm^2 dir?
- A) 8 B) 12 C) 16 D) 18 E) 20

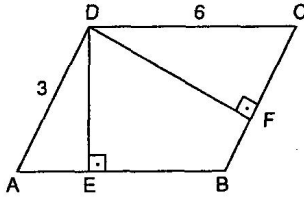
15.  ABCD bir paralelkenar
[AC], köşegen
[ED] $\perp$ [DC]
|EC| = 5|AE|
|DE| = 5 cm
|DC| = 8 cm
- Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?
- A) 40 B) 45 C) 48 D) 56 E) 64

16.  ABCD bir paralelkenar
[CE] $\perp$ [EA]
|AD| = 2|DE|
|DC| = 5 cm
|AD| = 6 cm
- Yukarıdaki verilere göre, Alan(ABCD) kaç cm^2 dir?
- A) 36 B) 32 C) 30 D) 28 E) 24

PARALELKENAR

Konu Uygulama Testi - 1

1.

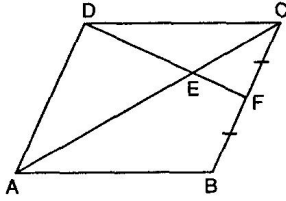


ABCD bir paralelkenar
 $[DE] \perp [AB]$
 $[DF] \perp [BC]$
 $|DC| = 6 \text{ cm}$
 $|AD| = 3 \text{ cm}$
 $|DE| = 2 \text{ cm}$

Yukarıdaki verilere göre, $|DF|$ kaç cm dir?

- A) 5 B) 4 C) 3,5 D) 3 E) 2

2.

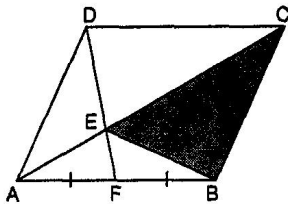


ABCD bir paralelkenar
 $[AC]$ köşegen
 D, E, F doğrusal
 $|BF| = |FC|$
 $|EC| = 2 \text{ cm}$
 $|EF| = 1 \text{ cm}$

Yukarıdaki verilere göre, $|AE| + |DE|$ toplamı kaç cm dir?

- A) 12 B) 9 C) 8 D) 6 E) 5

3.

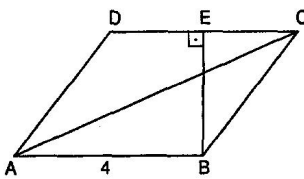


ABCD bir paralelkenar
 $[AC]$, köşegen
 D, E, F doğrusal
 $|AF| = |BF|$

Yukarıdaki verilere göre, $\frac{A(BEC)}{A(ABCD)}$ oranı kaçtır?

- A) $\frac{1}{4}$ B) $\frac{1}{3}$ C) $\frac{5}{11}$ D) $\frac{2}{5}$ E) $\frac{3}{5}$

4.

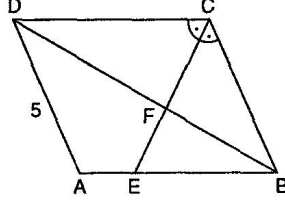


ABCD bir paralelkenar
 $[BE] \perp [DC]$
 $|DE| = |EC|$
 $|AB| = 4 \text{ cm}$
 $|BE| = 3 \text{ cm}$

Yukarıdaki verilere göre, $|AC|$ kaç cm dir?

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

5.

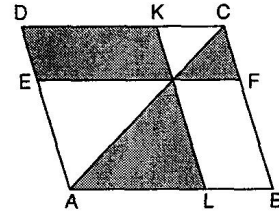


ABCD bir paralelkenar
 $[BD]$ köşegen
 $[CE]$, açıortay
 $|AD| = 5 \text{ cm}$
 $|AE| = 1 \text{ cm}$

Yukarıdaki verilere göre, $\frac{|BF|}{|BD|}$ oranı kaçtır?

- A) $\frac{5}{11}$ B) $\frac{6}{13}$ C) $\frac{7}{15}$ D) $\frac{3}{5}$ E) $\frac{2}{5}$

6.

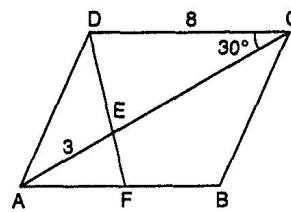


ABCD bir paralelkenar
 $[AC]$, köşegen
 $[EF] \parallel [DC]$
 $[KL] \parallel [DA]$

Yukarıdaki verilere göre, $\frac{\text{Taralı alan}}{A(ADC)}$ oranı kaçtır?

- A) $\frac{1}{2}$ B) $\frac{1}{3}$ C) $\frac{1}{4}$ D) 1 E) $\frac{1}{5}$

7.

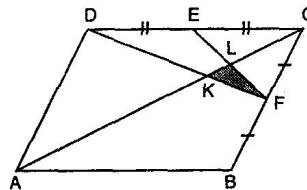


ABCD bir paralelkenar
 $|DE| = 2|EF|$
 $m(\widehat{ACD}) = 30^\circ$
 $|DC| = 8 \text{ cm}$
 $|AE| = 3 \text{ cm}$
 $E \in [DF]$

Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

- A) 48 B) 36 C) 32 D) 24 E) 18

8.

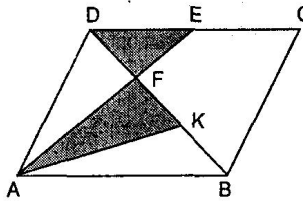


ABCD bir paralelkenar
 $[AC]$, köşegen
 $|DE| = |EC|$
 $|BF| = |FC|$
 $A(KLF) = 2 \text{ cm}^2$

Yukarıdaki verilere göre, $A(ABC)$ kaç cm^2 dir?

- A) 54 B) 48 C) 36 D) 32 E) 24

9.

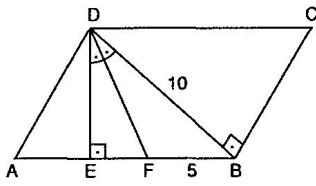


ABCD bir paralelkenar
 $|DF| = |FK| = |KB|$
 $[BD] \cap [AE] = \{F\}$

Yukarıdaki şekilde taralı alanlar toplamı 6 cm^2 olduğuna göre, $A(ABCD)$ kaç cm^2 dir?

- A) 36 B) 32 C) 24 D) 18 E) 12

10.

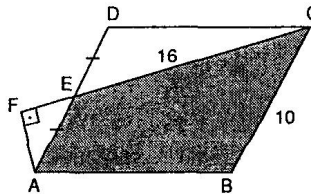


ABCD bir paralelkenar
 $[DF]$, açıortay
 $[DE] \perp [AB]$
 $[DB] \perp [BC]$
 $|BD| = 10 \text{ cm}$
 $|BF| = 5 \text{ cm}$

Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

- A) 37,5 B) 48 C) 60 D) 65 E) 75

11.

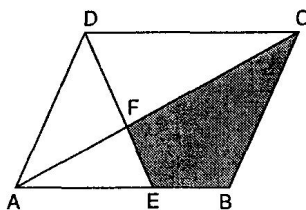


ABCD bir paralelkenar
 $[AF] \perp [FC]$
 $|DE| = |AE|$
 $|EF| = 3 \text{ cm}$
 $|EC| = 16 \text{ cm}$
 $|BC| = 10 \text{ cm}$

Yukarıdaki verilere göre, $A(ABCE)$ kaç cm^2 dir?

- A) 108 B) 96 C) 84 D) 72 E) 48

12.

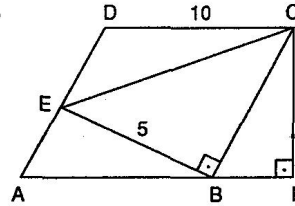


ABCD bir paralelkenar
 $|AE| = 2|EB|$
 $[AC] \cap [DE] = \{F\}$
 $A(BCFE) = 22 \text{ cm}^2$

Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

- A) 50 B) 60 C) 66 D) 72 E) 88

13.

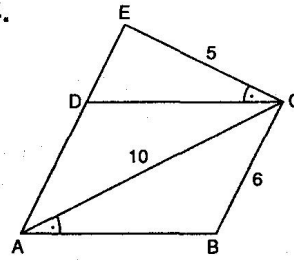


Düzlemsel şekilde
 ABCD bir paralelkenar
 EBC bir dik üçgen
 $[CF] \perp [FA]$
 $|DC| = 10 \text{ cm}$
 $|CF| = 6 \text{ cm}$
 $|EB| = 5 \text{ cm}$

Yukarıdaki verilere göre, $|EC|$ kaç cm dir?

- A) 12 B) 13 C) 15 D) 20 E) 25

14.

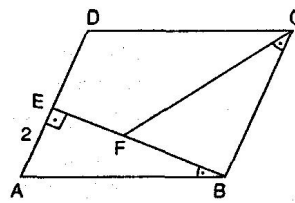


Düzlemsel şekilde
 ABCD bir paralelkenar
 $m(\widehat{ECD}) = m(\widehat{BAC})$
 A, D, E doğrusal
 $|AC| = 10 \text{ cm}$
 $|EC| = 5 \text{ cm}$
 $|BC| = 6 \text{ cm}$

Yukarıdaki verilere göre, $|AB|$ kaç cm dir?

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

15.

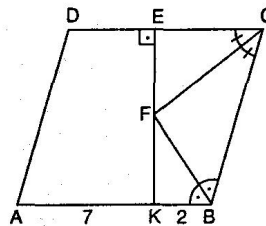


ABCD bir paralelkenar
 $m(\widehat{ABE}) = m(\widehat{BCF})$
 $[BE] \perp [AD]$
 $|AE| = 2 \text{ cm}$
 $|EF| = 3 \text{ cm}$
 $|FB| = 4 \text{ cm}$

Yukarıdaki verilere göre, $|ED|$ kaç cm dir?

- A) 6 B) 8 C) 10 D) 12 E) 14

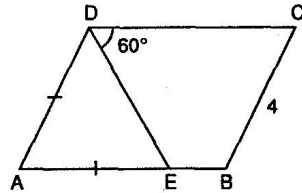
16.

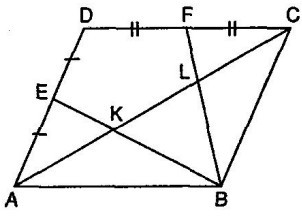


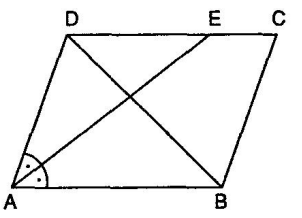
ABCD bir paralelkenar
 $[CF]$ ve $[BF]$ açıortaylar
 $[KE] \perp [DC]$
 $|AD| = 10 \text{ cm}$
 $|AK| = 7 \text{ cm}$
 $|BK| = 2 \text{ cm}$

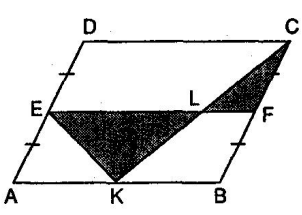
Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

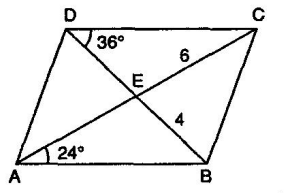
- A) 54 B) 60 C) 72 D) 84 E) 96

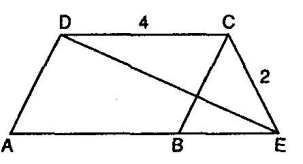
1.  ABCD bir paralelkenar
 $m(\widehat{EDC}) = 60^\circ$
 $|AD| = |AE|$
 $|BC| = 4 \text{ cm}$
 $|EB| = 2 \text{ cm}$
- Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
- A) $24\sqrt{3}$ B) $12\sqrt{3}$ C) $8\sqrt{3}$
D) $4\sqrt{3}$ E) 12

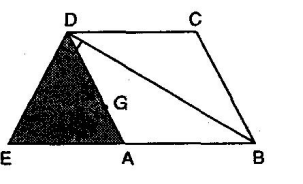
2.  ABCD bir paralelkenar
B, K, E doğrusal
B, L, F doğrusal
 $|AE| = |ED|$
 $|DF| = |FC|$
 $|AC| = 12 \text{ cm}$
- Yukarıdaki verilere göre, $|KL|$ kaç cm dir?
- A) 4 B) 7 C) 8 D) 9 E) 10

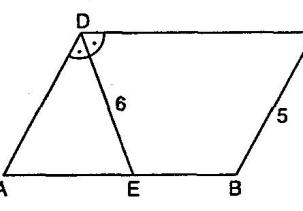
3.  ABCD bir paralelkenar
 $[BD]$, köşegen
 $[AE]$, açıortay
 $2|AB| = 3|BC|$
 $|EC| = 2 \text{ cm}$
- Yukarıdaki verilere göre, $\widehat{C}(ABCD)$ kaç cm dir?
- A) 16 B) 18 C) 20 D) 22 E) 24

4.  ABCD bir paralelkenar
 $|AE| = |ED|$
 $|BF| = |FC|$
 $K \in [AB]$
 $[KC] \cap [EF] = \{L\}$
- Yukarıdaki şekilde taralı alanlar toplamı 4 cm^2 olduğuna göre, $A(ABCD)$ kaç cm^2 dir?
- A) 12 B) 16 C) 20 D) 24 E) 30

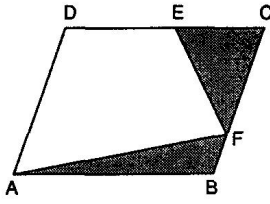
5.  ABCD bir paralelkenar
 $m(\widehat{BDC}) = 36^\circ$
 $m(\widehat{BAC}) = 24^\circ$
 $|BE| = 4 \text{ cm}$
 $|EC| = 6 \text{ cm}$
- Yukarıdaki verilere göre, $|BC|$ kaç cm dir?
- A) 5 B) 6 C) $2\sqrt{6}$ D) $2\sqrt{7}$ E) $3\sqrt{5}$

6.  ABCD bir paralelkenar
BEC bir eşkenar üçgen
A, B, E doğrusal
 $|DC| = 4 \text{ cm}$
 $|EC| = 2 \text{ cm}$
- Yukarıdaki verilere göre, $|DE|$ kaç cm dir?
- A) $3\sqrt{3}$ B) $2\sqrt{7}$ C) $2\sqrt{6}$ D) $4\sqrt{2}$ E) 5

7.  ABCD bir paralelkenar
 $|BC| = 2,5 \text{ cm}$
 $|DE| = 3 \text{ cm}$
- Yukarıdaki şekilde G, BDE dik üçgeninin ağırlık merkezi olduğuna göre, $A(AED)$ kaç cm^2 dir?
- A) 3 B) 6 C) 9 D) 10 E) 12

8.  ABCD bir paralelkenar
 $[DE]$, açıortay
 $|CD| = 2|AE|$
 $|DE| = 6 \text{ cm}$
 $|BC| = 5 \text{ cm}$
- Yukarıdaki verilere göre, $A(EB CD)$ kaç cm^2 dir?
- A) 48 B) 36 C) 32 D) 24 E) 12

9.

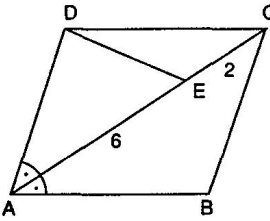


ABCD bir paralelkenar
 $2|DE| = 3|EC|$
 $|BC| = 4|BF|$
 $A(ABCD) = 200 \text{ cm}^2$

Yukarıdaki verilere göre, taralı alanlar toplamı kaç cm^2 dir?

- A) 100 B) 75 C) 65 D) 55 E) 50

10.

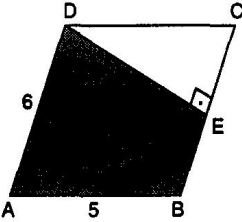


ABCD bir paralelkenar
 $[AC]$, açıortay
 $|AE| = 6 \text{ cm}$
 $|EC| = 2 \text{ cm}$
 $|DE| = \sqrt{13} \text{ cm}$

Yukarıdaki verilere göre, $|AB|$ kaç cm dir?

- A) $2\sqrt{6}$ B) 5 C) $2\sqrt{7}$ D) $2\sqrt{5}$ E) $4\sqrt{2}$

11.

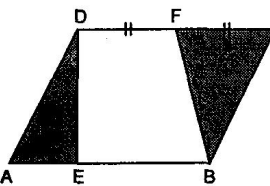


ABCD bir paralelkenar
 $[DE] \perp [BC]$
 $|BC| = 3|EB|$
 $|AD| = 6 \text{ cm}$
 $|AB| = 5 \text{ cm}$

Yukarıdaki verilere göre, $A(ABED)$ kaç cm^2 dir?

- A) 12 B) 14 C) 16 D) 18 E) 24

12.

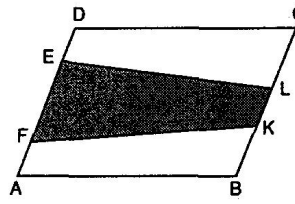


ABCD bir paralelkenar
 $|DF| = |FC|$
 $|BE| = 2|AE|$

Yukarıdaki verilere göre, taralı alanlar toplamının BEDF dörtgeninin alanına oranı kaçtır?

- A) $\frac{5}{9}$ B) $\frac{5}{7}$ C) $\frac{5}{8}$ D) $\frac{6}{7}$ E) $\frac{4}{7}$

13.

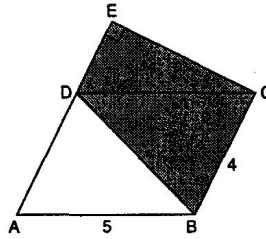


ABCD bir paralelkenar
 $|AD| = 2|EF|$
 $|BC| = 4|KL|$

Yukarıdaki şekilde taralı EFKL dörtgeninin alanı 12 cm^2 olduğuna göre, $A(ABCD)$ kaç cm^2 dir?

- A) 36 B) 32 C) 28 D) 24 E) 20

14.

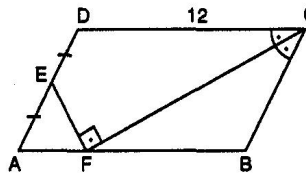


Düzlemsel şekilde
 ABCD bir paralelkenar
 $[CE] \perp [EA]$
 $|EC| = |BC| = 4 \text{ cm}$
 $|AB| = 5 \text{ cm}$

Yukarıdaki verilere göre, $A(BCED)$ kaç cm^2 dir?

- A) 14 B) 16 C) 20 D) 22 E) 24

15.

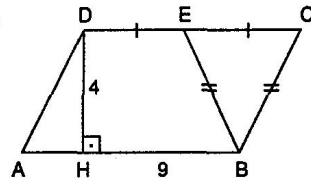


ABCD bir paralelkenar
 $[CF]$, açıortay
 $[EF] \perp [FC]$
 $|AE| = |ED|$
 $|DC| = 12 \text{ cm}$

Yukarıdaki verilere göre, $|BC|$ kaç cm dir?

- A) 5 B) 6 C) 7 D) 8 E) 10

16.



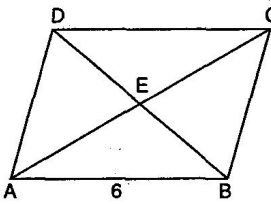
ABCD bir paralelkenar
 $[DH] \perp [AB]$
 $|DE| = |EC|$
 $|BE| = |BC|$
 $|DH| = 4 \text{ cm}$
 $|BH| = 9 \text{ cm}$

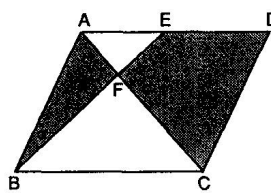
Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

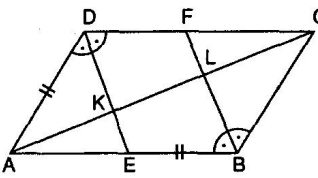
- A) 48 B) 36 C) 32 D) 24 E) 20

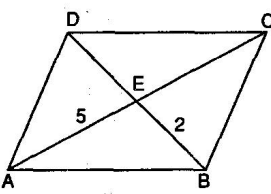
PARALELKENAR

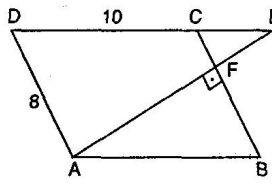
Konu Uygulama Testi - 3

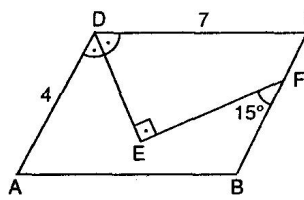
1.  ABCD bir paralelkenar
 $|AB| = 6 \text{ cm}$
 $|BC| = \sqrt{14} \text{ cm}$
 Yukarıdaki verilere göre, $|AC|^2 + |BD|^2$ toplamı kaçtır?
 A) 50 B) 64 C) 81 D) 100 E) 122

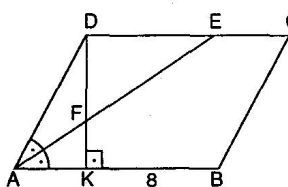
2.  ABCD bir paralelkenar
 $3|AE| = 2|ED|$
 $[AC] \cap [BE] = \{F\}$
 Yukarıdaki verilere göre, $\frac{A(ABF)}{A(DEF C)}$ oranı kaçtır?
 A) $\frac{1}{2}$ B) $\frac{2}{5}$ C) $\frac{4}{25}$ D) $\frac{10}{21}$ E) $\frac{10}{31}$

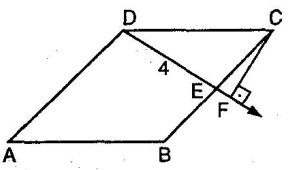
3.  ABCD bir paralelkenar
 $[DE]$ ve $[BF]$, açkırtaylar
 $|AD| = |EB|$
 $|AC| = 12 \text{ cm}$
 Yukarıdaki verilere göre, $|KL|$ kaç cm dir?
 A) 4 B) 5 C) 6 D) 8 E) 10

4.  ABCD bir paralelkenar
 $|AE| = 5 \text{ cm}$
 $|EB| = 2 \text{ cm}$
 $|AB| \cdot |BC| = 11$
 Yukarıdaki verilere göre, $|AB| - |BC|$ farkı kaç cm dir?
 A) 3 B) 4 C) 5 D) 6 E) 7

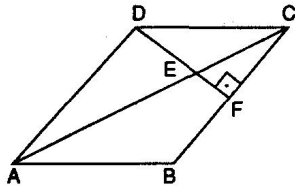
5.  ABCD bir paralelkenar
 $[AE] \perp [BC]$
 D, C, E doğrusal
 $|DC| = 10 \text{ cm}$
 $|AD| = 8 \text{ cm}$
 $|CF| = 2 \text{ cm}$
 Yukarıdaki verilere göre, $|EF|$ kaç cm dir?
 A) $\frac{5}{3}$ B) 2 C) $\frac{7}{3}$ D) $\frac{8}{3}$ E) 3

6.  ABCD bir paralelkenar
 $[DE]$, açkırtay
 $[DE] \perp [EF]$
 $m(\angle BFE) = 15^\circ$
 $|AD| = 4 \text{ cm}$
 $|DC| = 7 \text{ cm}$
 Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
 A) 7 B) 14 C) 20 D) 28 E) 32

7.  ABCD bir paralelkenar
 $[AE]$, açkırtay
 $[DK] \perp [AB]$
 $|BC| = 10 \text{ cm}$
 $|EC| = 4 \text{ cm}$
 $|BK| = 8 \text{ cm}$
 Yukarıdaki verilere göre, $A(BCEFK)$ kaç cm^2 dir?
 A) 38 B) 47 C) 63 D) 71 E) 77

8.  ABCD bir paralelkenar
 DFC bir dik üçgen
 $|BE| = |EC|$
 $|DE| = 4 \text{ cm}$
 $A(ABCD) = 24 \text{ cm}^2$
 Yukarıdaki verilere göre, $|CF|$ kaç cm dir?
 A) 1 B) 2 C) 3 D) 4 E) 5

9.

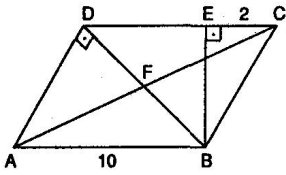


ABCD bir paralelkenar
 $[DF] \perp [BC]$
 $|BF| = |FC|$
 $|AB| = 5 \text{ cm}$
 $|AD| = 6 \text{ cm}$

Yukarıdaki verilere göre, $A(DEC)$ kaç cm^2 dir?

- A) 1 B) 2 C) 4 D) 5 E) 6

10.

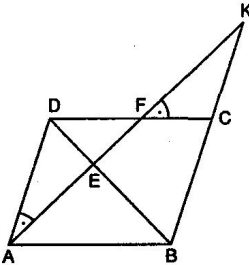


ABCD bir paralelkenar
 $[AC]$, köşegen
 $[AD] \perp [DB]$
 $[BE] \perp [DC]$
 $|EC| = 2 \text{ cm}$
 $|AB| = 10 \text{ cm}$

Yukarıdaki verilere göre, $A(ABF)$ kaç cm^2 dir?

- A) 40 B) 30 C) 20 D) 10 E) 5

11.

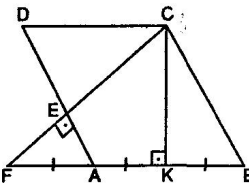


Düzlemsel şekilde
 ABCD bir paralelkenar
 B, C, K doğrusal
 $m(\widehat{KAD}) = m(\widehat{KFC})$
 $|AE| = |DF| = 4 \text{ cm}$
 $|EF| = 2 \text{ cm}$

Yukarıdaki verilere göre, $|BK|$ kaç cm dir?

- A) 5 B) 6 C) 8 D) 9 E) 10

12.

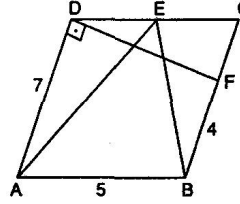


Düzlemsel şekilde
 ABCD bir paralelkenar
 $[AD] \perp [CF]$
 $[CK] \perp [BF]$
 $|FA| = |AK| = |KB|$
 $|KC| = 2\sqrt{2} \text{ cm}$

Yukarıdaki verilere göre, $|FC|$ kaç cm dir?

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

13.

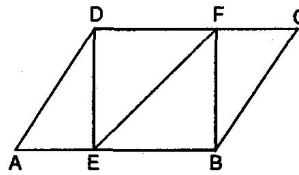


ABCD bir paralelkenar
 $[AD] \perp [DF]$
 $|AD| = 7 \text{ cm}$
 $|AB| = 5 \text{ cm}$
 $|BF| = 4 \text{ cm}$

Yukarıdaki verilere göre, ABE üçgeninin alanı kaç cm^2 dir?

- A) 36 B) 32 C) 28 D) 14 E) 7

14.

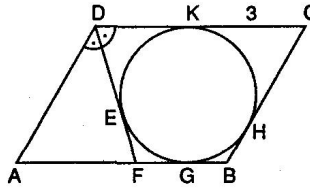


ABCD bir paralelkenar
 $BEDF$ bir kare
 $|AB| = |EF|$
 $|EB| = 6 \text{ cm}$

Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

- A) $48\sqrt{2}$ B) $36\sqrt{2}$ C) $32\sqrt{2}$
 D) $24\sqrt{2}$ E) $18\sqrt{2}$

15.

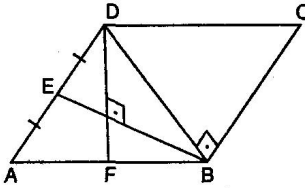


ABCD bir paralelkenar
 $[DF]$ açıortay
 $|DF| = |BC|$
 $|KC| = 3 \text{ cm}$
 $|BH| = 1 \text{ cm}$

Yukarıdaki verilere göre, $BCDF$ teğetler dörtgeninin alanı kaç cm^2 dir?

- A) $4\sqrt{3}$ B) $8\sqrt{3}$ C) $12\sqrt{3}$
 D) $16\sqrt{3}$ E) $20\sqrt{3}$

16.



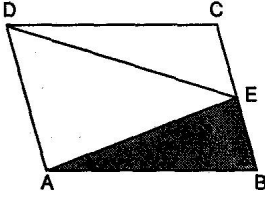
ABCD bir paralelkenar
 $[DB] \perp [BC]$
 $[DF] \perp [BE]$
 $|AE| = |ED|$
 $|AF| = |FB| = 3 \text{ cm}$

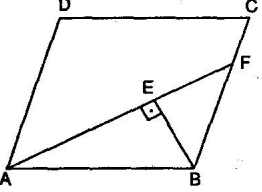
Yukarıdaki verilere göre, $|BC|$ kaç cm dir?

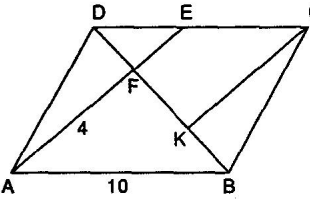
- A) $3\sqrt{2}$ B) $2\sqrt{5}$ C) $2\sqrt{6}$ D) 5 E) $2\sqrt{7}$

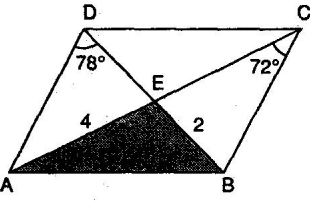
PARALELKENAR

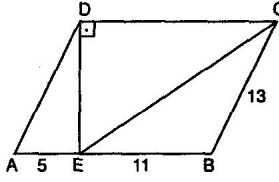
Konu Uygulama Testi - 4

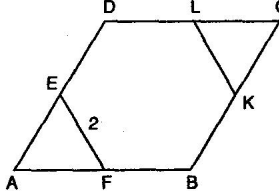
1.  ABCD bir paralelkenar
 $A(CDE) = 5 \text{ cm}^2$
 $A(ADE) = 13 \text{ cm}^2$
 Yukarıdaki verilere göre, $A(ABE)$ kaç cm^2 dir?
 A) 13 B) 12 C) 10 D) 8 E) 5

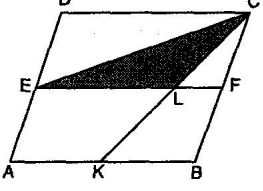
2.  ABCD bir paralelkenar
 $[BE] \perp [AF]$
 $|BF| = 3|FC|$
 $|AF| = 6 \text{ cm}$
 $|BE| = 3 \text{ cm}$
 Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
 A) 36 B) 30 C) 24 D) 12 E) 9

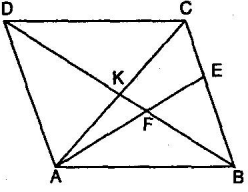
3.  ABCD bir paralelkenar
 $[BD]$, köşegen
 $[AE] \parallel [AC]$
 $|AF| = 4 \text{ cm}$
 $|FE| = 2 \text{ cm}$
 $|AB| = 10 \text{ cm}$
 Yukarıdaki verilere göre, $|KC| + |CE|$ toplamı kaç cm dir?
 A) 5 B) 7 C) 9 D) 11 E) 12

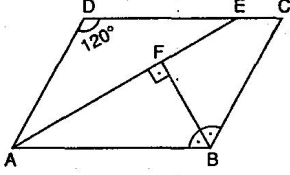
4.  ABCD bir paralelkenar
 $m(\widehat{ADB}) = 78^\circ$
 $m(\widehat{ACB}) = 72^\circ$
 $|AE| = 4 \text{ cm}$
 $|BE| = 2 \text{ cm}$
 Yukarıdaki verilere göre, $A(ABE)$ kaç cm^2 dir?
 A) 10 B) 8 C) 6 D) 4 E) 2

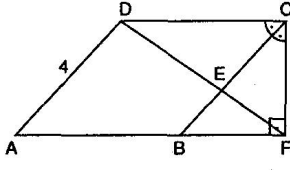
5.  ABCD bir paralelkenar
 $[ED] \perp [DC]$
 $|AE| = 5 \text{ cm}$
 $|BC| = 13 \text{ cm}$
 $|EB| = 11 \text{ cm}$
 Yukarıdaki verilere göre, $|EC|$ kaç cm dir?
 A) 18 B) 19 C) 20 D) 21 E) 22

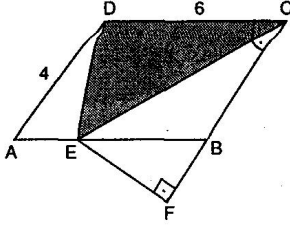
6.  ABCD bir paralelkenar
 DEFBKL bir düzgün altıgen
 $|EF| = 2 \text{ cm}$
 Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
 A) 8 B) $8\sqrt{3}$ C) 12 D) $12\sqrt{3}$ E) $16\sqrt{3}$

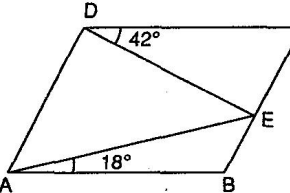
7.  ABCD bir paralelkenar
 $[EF] \cap [DK] = \{L\}$
 Yukarıdaki şekilde E, F ve K kenar orta noktaları olduğuna göre, $\frac{\text{Taralı alan}}{A(ABCD)}$ oranı kaçtır?
 A) $\frac{1}{8}$ B) $\frac{3}{16}$ C) $\frac{1}{4}$ D) $\frac{5}{16}$ E) $\frac{3}{8}$

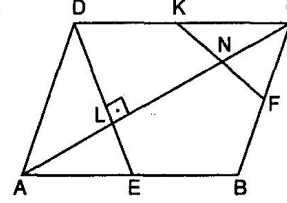
8.  ABCD bir paralelkenar
 $[AC]$ ve $[BD]$, köşegenler
 $|BE| = 2|EC|$
 $|BD| = 20 \text{ cm}$
 Yukarıdaki verilere göre, $|KF|$ kaç cm dir?
 A) $\frac{1}{2}$ B) 1 C) $\frac{3}{2}$ D) 2 E) $\frac{5}{2}$

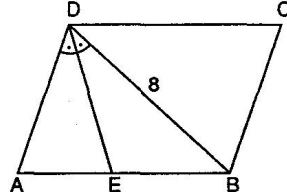
9.  ABCD bir paralelkenar
[BF] açıortay
 $m(\widehat{ADC}) = 120^\circ$
[BF] $\perp$ [AE]
 $|AF| = 4\sqrt{3}$ cm
 $|FE| = 2\sqrt{3}$ cm
- Yukarıdaki verilere göre, $|EC|$ kaç cm dir?
- A) 2 B) $2\sqrt{3}$ C) 4 D) $4\sqrt{3}$ E) 3

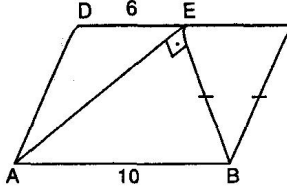
10.  Düzlemsel şekilde
ABCD bir paralelkenar
[CB], açıortay
[CF] $\perp$ [FA]
 $|AD| = 4$ cm
 $|BE| = 1$ cm
- Yukarıdaki verilere göre, $|DC|$ kaç cm dir?
- A) 5 B) $2\sqrt{7}$ C) $4\sqrt{2}$ D) $3\sqrt{5}$ E) $6\sqrt{2}$

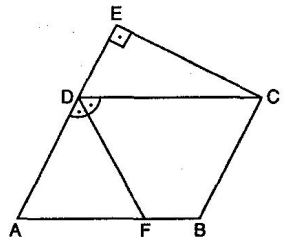
11.  Düzlemsel şekilde
ABCD bir paralelkenar
[CE], açıortay
[EF] $\perp$ [FC]
 $|AD| = 4$ cm
 $|DC| = 6$ cm
 $|BF| = \sqrt{7}$ cm
- Yukarıdaki verilere göre, $A(DEC)$ kaç cm^2 dir?
- A) 5 B) 7 C) 9 D) 11 E) 12

12.  ABCD bir paralelkenar
 $m(\widehat{EDC}) = 42^\circ$
 $m(\widehat{BAE}) = 18^\circ$
 $|AE| = 10$ cm
 $|DE| = 8$ cm
- Yukarıdaki verilere göre, $|BC|$ kaç cm dir?
- A) 6 B) $3\sqrt{6}$ C) $6\sqrt{2}$ D) $2\sqrt{21}$ E) 8

13.  ABCD bir paralelkenar
E, F ve K kenar orta noktaları
[DE] $\perp$ [AC]
 $|NL| = 5$ cm
 $|DE| = 9$ cm
- Yukarıdaki verilere göre, $|AB|$ kaç cm dir?
- A) 6 B) 8 C) 10 D) 12 E) 16

14.  ABCD bir paralelkenar
[DE], açıortay
 $|BC| = |DE|$
 $|BD| = 8$ cm
 $|EB| = 4$ cm
- Yukarıdaki verilere göre, ABCD paralelkenarının çevresi kaç cm dir?
- A) 20 B) 24 C) 26 D) 28 E) 30

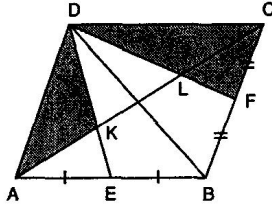
15.  ABCD bir paralelkenar
[AE] $\perp$ [EB]
 $|BE| = |BC|$
 $|DE| = 6$ cm
 $|AB| = 10$ cm
- Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
- A) 30 B) 40 C) 50 D) 60 E) 70

16.  Düzlemsel şekilde
ABCD bir paralelkenar
[DF], açıortay
[CE] $\perp$ [EA]
 $|ED| = |AF| = 3$ cm
 $|BF| = 2$ cm
- Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
- A) 6 B) 10 C) 12 D) 16 E) 24

PARALELKENAR

Konu Uygulama Testi - 5

1.

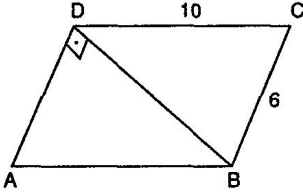


ABCD bir paralelkenar
[AC] ve [BD], köşegenler
D, K, E doğrusal
D, L, F doğrusal
 $|AE| = |EB|$
 $|BF| = |FC|$

Yukarıdaki verilere göre, $\frac{A(ADK)}{A(CDF)}$ oranı kaçtır?

- A) 1 B) $\frac{2}{3}$ C) $\frac{1}{2}$ D) $\frac{3}{4}$ E) $\frac{1}{4}$

2.

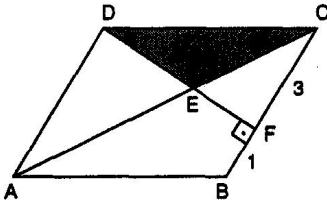


ABCD bir paralelkenar
[AD] $\perp$ [DB]
|DC| = 10 cm
|BC| = 6 cm

Yukarıdaki verilere göre, A(ABCD) kaç cm^2 dir?

- A) 60 B) 54 C) 48 D) 36 E) 24

3.

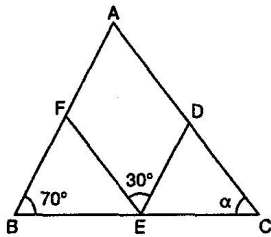


ABCD bir paralelkenar
[AC], köşegen
[DF] $\perp$ [BC]
|DF| = 7 cm
|CF| = 3 cm
|FB| = 1 cm

Yukarıdaki verilere göre, A(DEC) kaç cm^2 dir?

- A) 10,5 B) 7,5 C) 6 D) 5,5 E) 4,5

4.

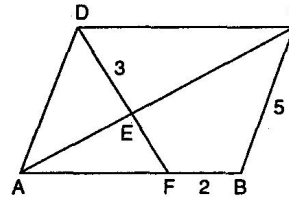


ABC bir üçgen
ADEF bir paralelkenar
 $m(\widehat{ABC}) = 70^\circ$
 $m(\widehat{FED}) = 30^\circ$

Yukarıdaki verilere göre, $m(\widehat{ACB}) = \alpha$ kaç derecedir?

- A) 40 B) 50 C) 60 D) 70 E) 80

5.

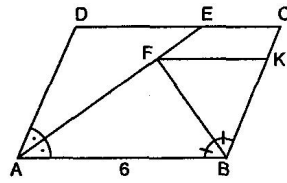


ABCD bir paralelkenar
[AC], köşegen
|DF| = |BC| = 5 cm
|DE| = 3 cm
|BF| = 2 cm

Yukarıdaki verilere göre, Ç(ABCD) kaç cm dir?

- A) 18 B) 22 C) 24 D) 26 E) 28

6.

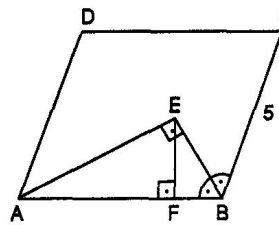


ABCD bir paralelkenar
[AE] ve [BF] açıortaylar
[FK] $\parallel$ [AB]
|AB| = 6 cm
|BC| = 1 cm

Yukarıdaki verilere göre, |EC| + |FK| toplamı kaç cm dir?

- A) 3 B) 4 C) 5 D) 6 E) 7

7.

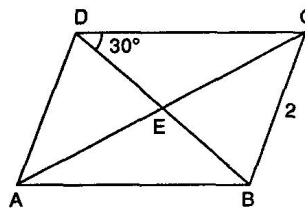


ABCD bir paralelkenar
[BE] açıortay
[AE] $\perp$ [EB]
[EF] $\perp$ [AB]
|EF| = 2 cm
|BC| = 5 cm

Yukarıdaki verilere göre, A(ABCD) kaç cm^2 dir?

- A) 10 B) 15 C) 20 D) 25 E) 30

8.

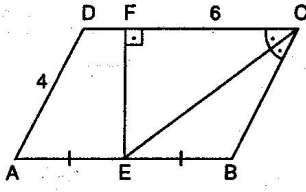


ABCD bir paralelkenar
[AC], köşegen
 $m(\widehat{BAD}) = 60^\circ$
 $m(\widehat{BDC}) = 30^\circ$
|BC| = 2 cm

Yukarıdaki verilere göre, |AE| kaç cm dir?

- A) $2\sqrt{3}$ B) $\sqrt{5}$ C) $\sqrt{7}$ D) $2\sqrt{2}$ E) $\sqrt{6}$

9.

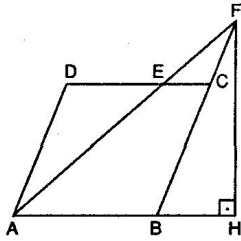


ABCD bir paralelkenar
 $[CE]$ açıortay
 $[EF] \perp [CD]$
 $|AE| = |EB|$
 $|AD| = 4$ cm
 $|CF| = 6$ cm

Yukarıdaki verilere göre, $|DF|$ kaç cm dir?

- A) $\frac{1}{2}$ B) 1 C) $\frac{3}{2}$ D) 2 E) $\frac{5}{2}$

10.

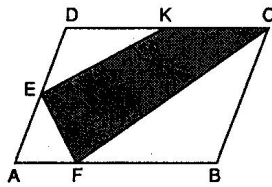


Düzlemsel şekilde
 ABCD bir paralelkenar
 AHF bir dik üçgen
 $|DE| = 4$ cm
 $|EC| = 2$ cm
 $A(EFC) = 2$ cm²

Yukarıdaki verilere göre, $|FH|$ kaç cm dir?

- A) 4 B) 5 C) 6 D) 8 E) 10

11.

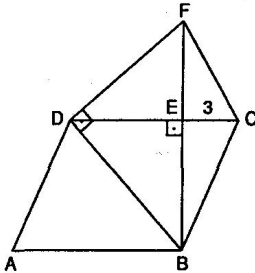


ABCD bir paralelkenar
 K ve E kenar orta noktaları
 $|BF| = 3|AF|$

Yukarıdaki şekilde taralı EFCK dörtgeninin alanı 14 cm² olduğuna göre, A(ABCD) kaç cm² dir?

- A) 21 B) 28 C) 32 D) 36 E) 42

12.

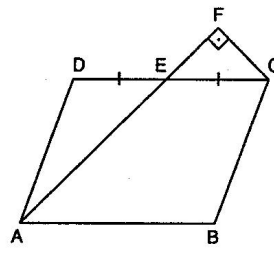


Düzlemsel şekilde
 ABCD bir paralelkenar
 BDF bir dik üçgen
 $[BF] \perp [CD]$
 $|FC| = 5$ cm
 $|EC| = 3$ cm
 $|AD| = 3\sqrt{10}$ cm

Yukarıdaki verilere göre, A(ABCD) kaç cm² dir?

- A) 36 B) 54 C) 72 D) 81 E) 63

13.

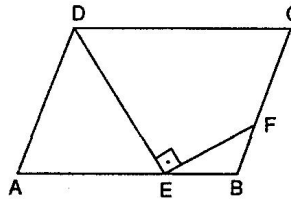


Düzlemsel şekilde
 ABCD bir paralelkenar
 $[AF] \perp [FC]$
 $|DE| = |EC|$
 $|AB| = 2\sqrt{6}$ cm
 $|EF| = \sqrt{2}$ cm
 $|AE| = 4$ cm

Yukarıdaki verilere göre, A(ABCD) kaç cm² dir?

- A) 8 B) 12 C) 16 D) 20 E) 24

14.

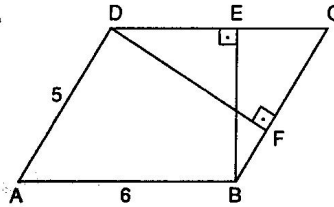


ABCD bir paralelkenar
 $[DE] \perp [EF]$
 $|CF| = 2|FB|$
 $|AE| = 2|EB|$
 $|DE| = 9$ cm
 $|EF| = 4$ cm

Yukarıdaki verilere göre, $|AE|$ kaç cm dir?

- A) 5 B) 6 C) 7 D) 8 E) 9

15.

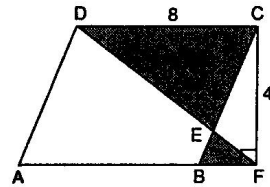


ABCD bir paralelkenar
 $[BE] \perp [DC]$
 $[DF] \perp [BC]$
 $|AB| = 6$ cm
 $|AD| = 5$ cm
 $|BE| = 4$ cm

Yukarıdaki verilere göre, $|CF|$ kaç cm dir?

- A) 3 B) 4 C) $\frac{24}{5}$ D) $\frac{12}{5}$ E) $\frac{18}{5}$

16.



Düzlemsel şekilde
 ABCD bir paralelkenar
 $[CF] \perp [FA]$
 $|AD| = 5$ cm
 $|CF| = 4$ cm
 $|DC| = 8$ cm

Yukarıdaki verilere göre, taralı alanlar toplamı kaç cm² dir?

- A) $\frac{146}{11}$ B) $\frac{126}{11}$ C) $\frac{96}{11}$ D) $\frac{76}{11}$ E) $\frac{32}{11}$