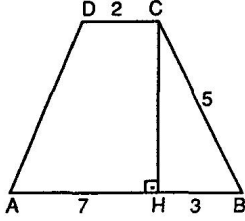


YAMUK

YAMUK

Konu Kavrama Testi - 1

1.

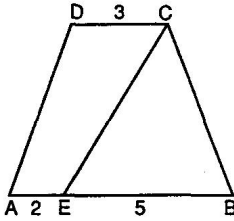


ABCD bir yamuk
 $[CH] \perp [AB]$
 $|DC| = 2$ cm
 $|HB| = 3$ cm
 $|BC| = 5$ cm
 $|AH| = 7$ cm

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

- A) 36 B) 30 C) 24 D) 18 E) 12

2.



ABCD bir yamuk
 $|AE| = 2$ cm
 $|DC| = 3$ cm
 $|EB| = 5$ cm
 Alan(EBC) = 15 cm^2

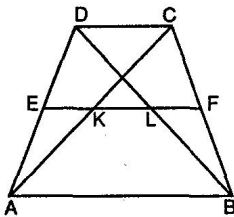
Yukarıdaki verilere göre, Alan(AECD) kaç cm^2 dir?

- A) 15 B) 18 C) 21 D) 27 E) 30

3. Alt taban uzunluğu 7 cm ve üst taban uzunluğu 3 cm olan bir yamuğun orta taban uzunluğu kaç cm dir?

- A) 4 B) $\frac{9}{2}$ C) 5 D) $\frac{11}{2}$ E) 6

4.

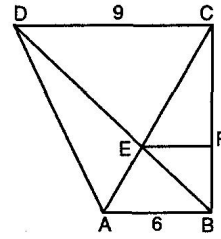


ABCD bir yamuk
 $[EF]$, orta taban
 $[AC]$ ve $[BD]$
 köşegen
 $|LF| = 1$ cm
 $|AB| = 6$ cm

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

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

5.

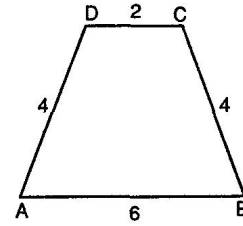


ABCD bir yamuk
 $[AC]$ ve $[BD]$
 köşegen
 $[DC] \parallel [EF]$
 $|DC| = 9$ cm
 $|AB| = 6$ cm

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

- A) 5 B) $\frac{9}{2}$ C) $\frac{18}{5}$ D) 3 E) $\frac{18}{7}$

6.

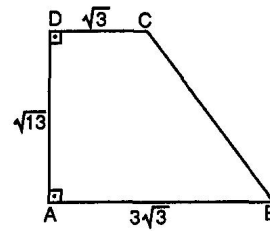


ABCD bir
 ikizkenar yamuk
 $|AD| = |BC| = 4$ cm
 $|DC| = 2$ cm
 $|AB| = 6$ cm

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

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

7.



ABCD bir dik yamuk
 $|DC| = \sqrt{3}$ cm
 $|AD| = \sqrt{13}$ cm
 $|AB| = 3\sqrt{3}$ cm

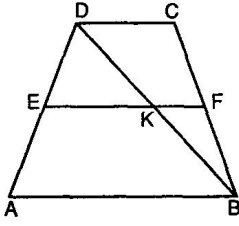
Yukarıdaki verilere göre, $|BC|$ kaç cm dir?

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

8. Köşegenleri dik kesişen bir ikizkenar yamuğun orta taban uzunluğu 6 cm olduğuna göre, yüksekliği kaç cm dir?

- A) 3 B) $\frac{9}{2}$ C) 6 D) $\frac{15}{2}$ E) 9

9.

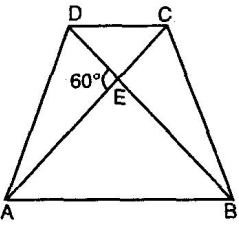


ABCD bir yamuk
[EF], orta taban
[BD], köşegen
 $\text{Alan}(\text{EDK}) = 7 \text{ cm}^2$
 $\text{Alan}(\text{BKF}) = 4 \text{ cm}^2$

Yukarıdaki verilere göre, $\text{Alan}(\text{ABCD})$ kaç cm^2 dir?

- A) 33 B) 36 C) 40 D) 44 E) 48

10.

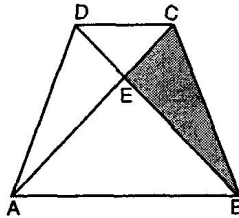


ABCD bir
ikizkenar yamuk
 $[AC] \cap [BD] = \{E\}$
 $m(\angle AED) = 60^\circ$
 $|AC| = 2\sqrt{3} \text{ cm}$

Yukarıdaki verilere göre, $\text{Alan}(\text{ABCD})$ kaç cm^2 dir?

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

11.

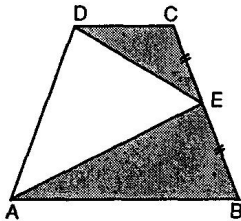


ABCD bir yamuk
 $2|AB| = 3|DC|$
 $[AC] \cap [BD] = \{E\}$
 $\text{Alan}(\text{ABCD}) = 50 \text{ cm}^2$

Yukarıdaki verilere göre, $\text{Alan}(\text{BEC})$ kaç cm^2 dir?

- A) 6 B) 9 C) 12 D) 15 E) 16

12.



ABCD bir yamuk
 $|BE| = |EC|$
 $\text{Alan}(\text{ABCD}) = 32 \text{ cm}^2$

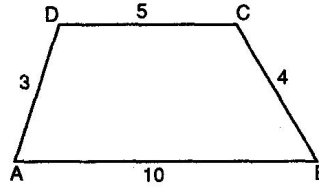
Yukarıdaki verilere göre, taralı alanlar toplamı kaç cm^2 dir?

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

13. Köşegenleri dik kesişen bir ikizkenar yamucun orta taban uzunluğunun, yüksekliğine oranı kaçtır?

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

14.

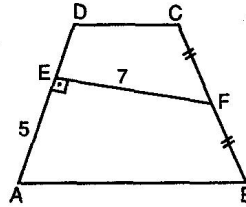


ABCD bir yamuk
 $|AD| = 3 \text{ cm}$
 $|BC| = 4 \text{ cm}$
 $|DC| = 5 \text{ cm}$
 $|AB| = 10 \text{ cm}$

Yukarıdaki verilere göre, $\text{Alan}(\text{ABCD})$ kaç cm^2 dir?

- A) 12 B) 15 C) 18 D) 21 E) 24

15.

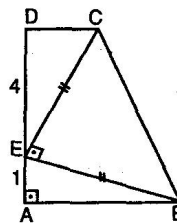


ABCD bir yamuk
 $[FE] \perp [AD]$
 $|BF| = |FC|$
 $|AE| = 5 \text{ cm}$
 $|EF| = 7 \text{ cm}$
 $\text{Alan}(\text{ABCD}) = 56 \text{ cm}^2$

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

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

16.



ABCD bir dik yamuk
 $[BE] \perp [EC]$
 $|BE| = |EC|$
 $|AE| = 1 \text{ cm}$
 $|ED| = 4 \text{ cm}$

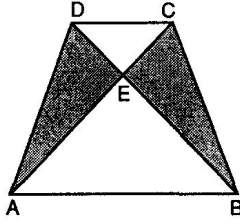
Yukarıdaki verilere göre, $|AB| + |DC|$ toplamı kaç cm dir?

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

YAMUK

Konu Kavrama Testi - 2

1.

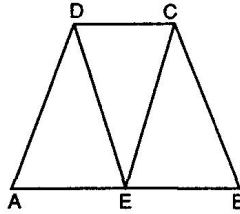


ABCD bir yamuk
 $[AC] \cap [BD] = \{E\}$
 $\text{Alan}(DEC) = 1 \text{ cm}^2$
 $\text{Alan}(ABE) = 4 \text{ cm}^2$

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

- A) 4 B) 5 C) 6 D) 8 E) 9

2.



ABCD bir yamuk
 $5|DC| = 2|AB|$
 $\text{Alan}(DEC) = 6 \text{ cm}^2$

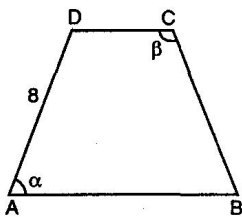
Yukarıdaki verilere göre, $\text{Alan}(ABCD)$ kaç cm^2 dir?

- A) 15 B) 18 C) 21 D) 24 E) 27

3. Orta taban uzunluğu 8 cm ve yüksekliği 6 cm olan bir yamuğun alanı kaç cm^2 dir?

- A) 48 B) 42 C) 36 D) 32 E) 24

4.

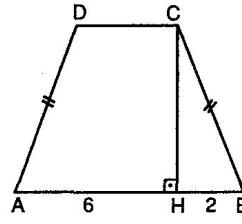


ABCD bir yamuk
 $m(\widehat{BAD}) = \alpha$
 $m(\widehat{BCD}) = \beta$
 $\alpha + \beta = 180^\circ$
 $|AD| = 8 \text{ cm}$

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

- A) 4 B) 6 C) 8 D) 10 E) 12

5.

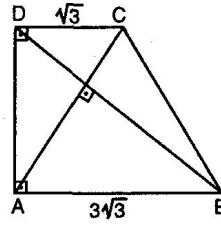


ABCD bir ikizkenar yamuk
 $[CH] \perp [AB]$
 $|AH| = 6 \text{ cm}$
 $|HB| = 2 \text{ cm}$

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

- A) 2 B) $\frac{5}{2}$ C) 3 D) $\frac{7}{2}$ E) 4

6.



ABCD bir dik yamuk
 $[AC] \perp [BD]$
 $|DC| = \sqrt{3} \text{ cm}$
 $|AB| = 3\sqrt{3} \text{ cm}$

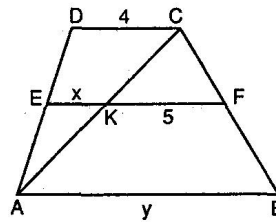
Yukarıdaki verilere göre, $|AD|$ kaç cm dir?

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

7. Köşegenleri dik kesişen bir ikizkenar yamuğun alanının, yüksekliği (h) cinsinden değeri aşağıdakilerden hangisidir?

- A) $\frac{h^2}{3}$ B) $\frac{h^2}{2}$ C) $\frac{h^2}{\sqrt{3}}$ D) $\frac{h^2}{\sqrt{2}}$ E) h^2

8.

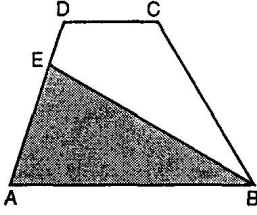


ABCD bir yamuk
 $[AC]$, köşegen
 $[EF]$, orta taban
 $|DC| = 4 \text{ cm}$
 $|KF| = 5 \text{ cm}$
 $|EK| = x$
 $|AB| = y$

Yukarıdaki verilere göre, $x + y$ toplamı kaç cm dir?

- A) 6 B) 7 C) 8 D) 10 E) 12

9.

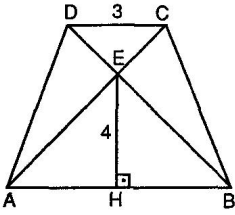


ABCD bir yamuk
 $2|AB| = 5|DC|$
 $|AE| = 3|ED|$
 $\text{Alan}(ABE) = 15 \text{ cm}^2$

Yukarıdaki verilere göre, $\text{Alan}(ABCD)$ kaç cm^2 dir?

- A) 25 B) 28 C) 30 D) 32 E) 35

10.

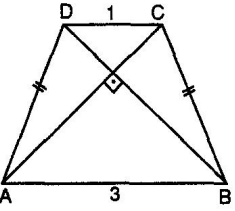


ABCD bir yamuk
 $[AC] \cap [BD] = \{E\}$
 $[EH] \perp [AB]$
 $|DC| = 3 \text{ cm}$
 $|AB| = 6 \text{ cm}$
 $|EH| = 4 \text{ cm}$

Yukarıdaki verilere göre, $\text{Alan}(ABCD)$ kaç cm^2 dir?

- A) 27 B) 36 C) 45 D) 50 E) 54

11.

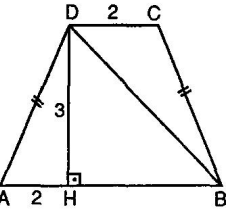


ABCD bir
 ikizkenar yamuk
 $[AC] \perp [BD]$
 $|DC| = 1 \text{ cm}$
 $|AB| = 3 \text{ cm}$

Yukarıdaki verilere göre, $\text{Alan}(ABCD)$ kaç cm^2 dir?

- A) 5 B) 4 C) 3 D) 2 E) 1

12.

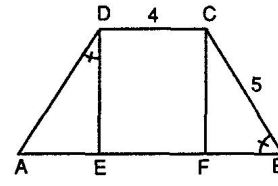


ABCD bir
 ikizkenar yamuk
 $[DH] \perp [AB]$
 $|AH| = |DC| = 2 \text{ cm}$
 $|DH| = 3 \text{ cm}$

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

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

13.

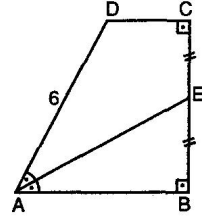


ABCD bir yamuk
 CDEF bir kare
 $m(\widehat{ADE}) = m(\widehat{ABC})$
 $|DC| = 4 \text{ cm}$
 $|BC| = 5 \text{ cm}$

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

- A) 4 B) 5 C) $\frac{16}{3}$ D) 6 E) $\frac{20}{3}$

14.

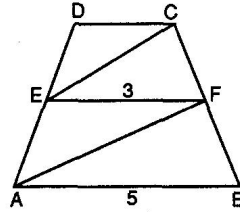


ABCD bir dik yamuk
 $[AE]$, açıortay
 $|BE| = |EC|$
 $|AB| = 2|DC|$
 $|AD| = 6 \text{ cm}$

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

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

15.

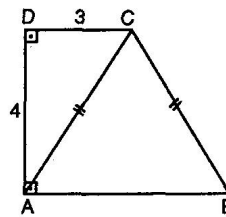


ABCD bir yamuk
 $[EF]$, orta taban
 $|EF| = 3 \text{ cm}$
 $|AB| = 5 \text{ cm}$

Yukarıdaki verilere göre, $\frac{\text{Alan}(EDC)}{\text{Alan}(ABF)}$ oranı kaçtır?

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

16.

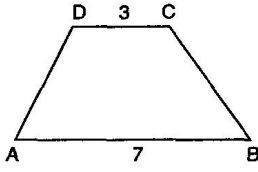


ABCD bir dik yamuk
 $|AC| = |BC|$
 $|DC| = 3 \text{ cm}$
 $|AD| = 4 \text{ cm}$

Yukarıdaki verilere göre, ABCD dik yamuğunun çevresi kaç cm dir?

- A) 20 B) 18 C) 17 D) 15 E) 14

1.

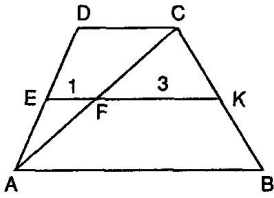


ABCD bir yamuk
 $|DC| = 3 \text{ cm}$
 $|AB| = 7 \text{ cm}$

Yukarıdaki verilere göre, ABCD yamuğunun orta taban uzunluğu kaç cm dir?

- A) $\frac{7}{2}$ B) 4 C) $\frac{9}{2}$ D) 5 E) 6

2.

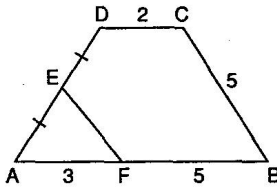


ABCD bir yamuk
 $[AC] \cap [EF] = \{F\}$
 $|AE| = |ED|$
 $|BK| = |KC|$
 $|EF| = 1 \text{ cm}$
 $|FK| = 3 \text{ cm}$

Yukarıdaki verilere göre, $\frac{A(AEF)}{A(CFK)}$ oranı kaçtır?

- A) $\frac{1}{3}$ B) $\frac{2}{3}$ C) $\frac{1}{4}$ D) $\frac{1}{9}$ E) $\frac{3}{4}$

3.

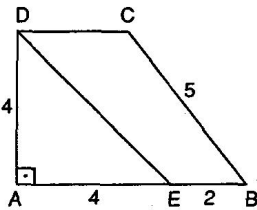


ABCD bir
 ikizkenar yamuk
 $|AE| = |ED|$
 $|BF| = |BC| = 5 \text{ cm}$
 $|AF| = 3 \text{ cm}$
 $|DC| = 2 \text{ cm}$

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

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

4.

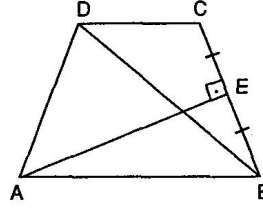


ABCD dik yamuk
 $|AD| = |AE| = 4 \text{ cm}$
 $|BC| = 5 \text{ cm}$
 $|EB| = 2 \text{ cm}$

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

- A) 18 B) 16 C) 12 D) 10 E) 8

5.

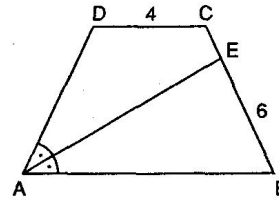


ABCD bir
 ikizkenar yamuk
 $[AE] \perp [BC]$
 $|BE| = |EC| = 9 \text{ cm}$
 $|AE| = 12 \text{ cm}$

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

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

6.

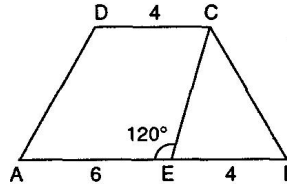


ABCD bir
 ikizkenar yamuk
 $[AE]$, açıortay
 $|BE| = 6 \text{ cm}$
 $|EC| = 2 \text{ cm}$
 $|DC| = 4 \text{ cm}$

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

- A) 8 B) 10 C) 12 D) 14 E) 16

7.

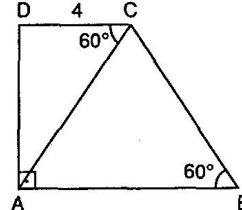


ABCD bir
 ikizkenar yamuk
 $m(\widehat{AEC}) = 120^\circ$
 $|EB| = |DC| = 4 \text{ cm}$
 $|AE| = 6 \text{ cm}$

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

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

8.

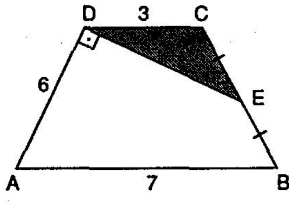


ABCD bir dik yamuk
 $m(\widehat{ABC}) = m(\widehat{ACD}) = 60^\circ$
 $|DC| = 4 \text{ cm}$

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

- A) 12 B) $12\sqrt{3}$ C) 24 D) $24\sqrt{3}$ E) 36

9.

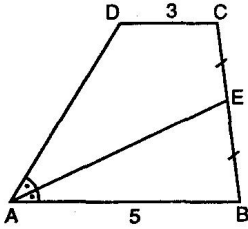


ABCD bir yamuk
 $[ED] \perp [DA]$
 $|BE| = |EC|$
 $|AD| = 6 \text{ cm}$
 $|DC| = 3 \text{ cm}$
 $|AB| = 7 \text{ cm}$

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

- A) $\frac{12}{5}$ B) $\frac{16}{5}$ C) $\frac{18}{5}$ D) $\frac{24}{5}$ E) $\frac{36}{5}$

10.

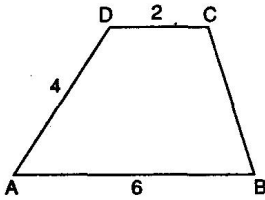


ABCD bir yamuk
 $[AE] \perp [DC]$
 $|BE| = |EC|$
 $|DC| = 3 \text{ cm}$
 $|AB| = 5 \text{ cm}$

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

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

11.

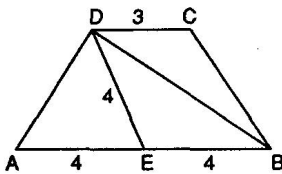


ABCD bir yamuk
 $m(\widehat{A}) + m(\widehat{C}) = 180^\circ$
 $|AD| = 4 \text{ cm}$
 $|DC| = 2 \text{ cm}$
 $|AB| = 6 \text{ cm}$

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

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

12.

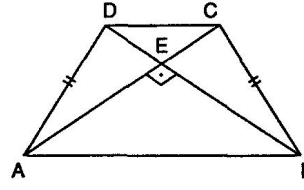


ABCD bir
 ikizkenar yamuk
 $|AE| = |EB| = |ED| = 4 \text{ cm}$
 $|DC| = 3 \text{ cm}$

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

- A) $\sqrt{11}$ B) $2\sqrt{11}$ C) $3\sqrt{11}$ D) $4\sqrt{11}$ E) 8

13.

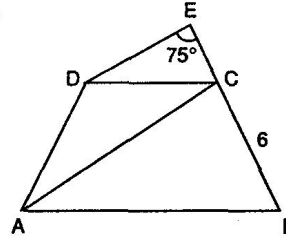


ABCD bir
 ikizkenar yamuk
 $[AC] \perp [BD]$
 $A(DEC) = 3 \text{ cm}^2$
 $A(ABE) = 12 \text{ cm}^2$

Yukarıdaki verilere göre, $|AB| + |DC|$ toplamı kaç cm dir?

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

14.

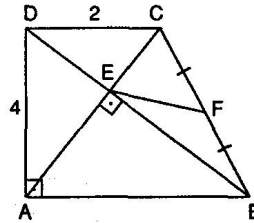


ABCD bir ikizkenar
 yamuk
 $m(\widehat{BED}) = 75^\circ$
 $|AD| = |DC|$
 $|AC| = |BE|$
 $|BC| = 6 \text{ cm}$

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

- A) $36\sqrt{3}$ B) $24\sqrt{3}$ C) $20\sqrt{3}$
 D) $18\sqrt{3}$ E) $15\sqrt{3}$

15.

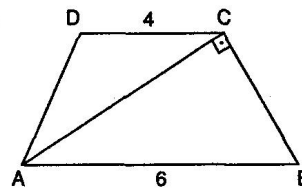


ABCD bir dik yamuk
 $[AC] \perp [BD]$
 $|BF| = |FC|$
 $|AD| = 4 \text{ cm}$
 $|DC| = 2 \text{ cm}$

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

- A) $\frac{5}{2}$ B) 3 C) $2\sqrt{3}$ D) $\sqrt{13}$ E) $2\sqrt{13}$

16.



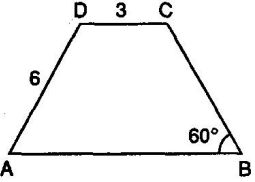
ABCD bir
 ikizkenar yamuk
 $[AC] \perp [CB]$
 $|AB| = 6 \text{ cm}$
 $|DC| = 4 \text{ cm}$

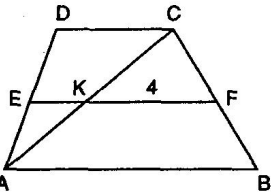
Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

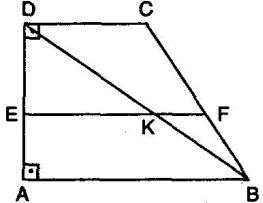
- A) 15 B) $3\sqrt{15}$ C) $5\sqrt{5}$ D) 12 E) $3\sqrt{5}$

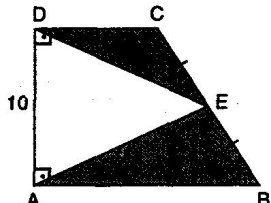
YAMUK

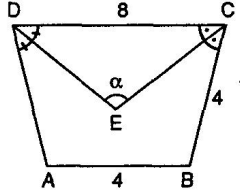
Konu Uygulama Testi - 2

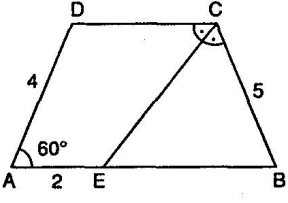
1.  ABCD bir ikizkenar yamuk
 $m(\widehat{ABC}) = 60^\circ$
 $|AD| = 6 \text{ cm}$
 $|DC| = 3 \text{ cm}$
 Yukarıdaki verilere göre, $|AB|$ kaç cm dir?
 A) 6 B) 8 C) 9 D) 10 E) 12

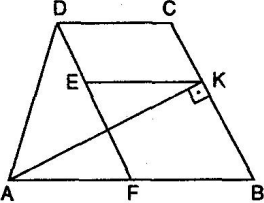
2.  ABCD bir yamuk
 $[AC]$ köşegen
 $[EF]$ orta taban
 $|EK| = 1 \text{ cm}$
 $|KF| = 4 \text{ cm}$
 Yukarıdaki verilere göre, $|AB| - |CD|$ farkı kaç cm dir?
 A) 10 B) 8 C) 6 D) 4 E) 2

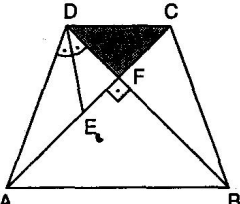
3.  ABCD bir dik yamuk
 $[BD]$, köşegen
 $[EF] \parallel [AB]$
 $|DE| = 2|AE|$
 $A(BKF) = 1 \text{ cm}^2$
 $A(DEK) = 8 \text{ cm}^2$
 Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
 A) 45 B) 36 C) 27 D) 25 E) 22

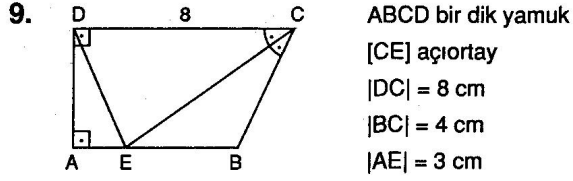
4.  ABCD bir dik yamuk
 $|BE| = |EC|$
 $|AD| = 10 \text{ cm}$
 $|DE| = 13 \text{ cm}$
 Yukarıdaki verilere göre, taralı alanlar toplamı kaç cm^2 dir?
 A) 30 B) 45 C) 60 D) 75 E) 90

5.  ABCD bir ikizkenar yamuk
 $[DE]$ ve $[CE]$ açıortay
 $|AB| = |BC| = 4 \text{ cm}$
 $|CD| = 8 \text{ cm}$
 Yukarıdaki verilere göre, $m(\widehat{CED}) = \alpha$ kaç derecedir?
 A) 108 B) 120 C) 135 D) 140 E) 150

6.  ABCD bir yamuk
 $[CE]$ açıortay
 $m(\widehat{BAD}) = 60^\circ$
 $|AD| = 4 \text{ cm}$
 $|AE| = 2 \text{ cm}$
 $|BC| = 5 \text{ cm}$
 Yukarıdaki verilere göre, $|DC|$ kaç cm dir?
 A) $5 - \sqrt{13}$ B) $5 - 2\sqrt{3}$ C) $5 - \sqrt{10}$
 D) 2 E) $5 - \sqrt{11}$

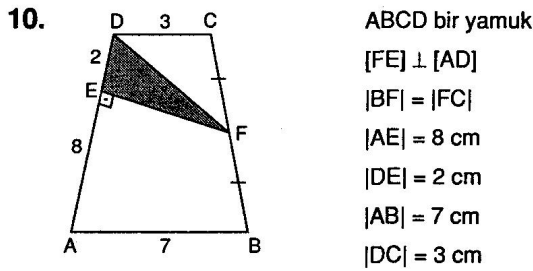
7.  ABCD bir yamuk
 $[EK] \parallel [AB]$
 $[AK] \perp [BC]$
 $|AF| = |FB| = |CD|$
 $|CD| = 13 \text{ cm}$
 $|BK| = 10 \text{ cm}$
 Yukarıdaki verilere göre, $A(BKEF)$ kaç cm^2 dir?
 A) 100 B) 120 C) 140 D) 150 E) 160

8.  ABCD bir yamuk
 $[AC] \perp [BD]$
 $[DE]$ açıortay
 $|EF| = 2 \text{ cm}$
 $|AD| + |DF| = 8 \text{ cm}$
 $A(CDF) = 2 \text{ cm}^2$
 Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
 A) 60 B) 50 C) 48 D) 36 E) 32



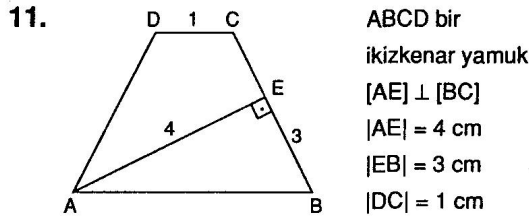
Yukarıdaki verilere göre, $|DE|$ kaç cm dir?

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



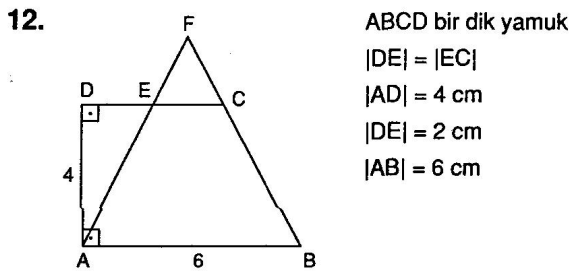
Yukarıdaki verilere göre, $A(DEF)$ kaç cm^2 dir?

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



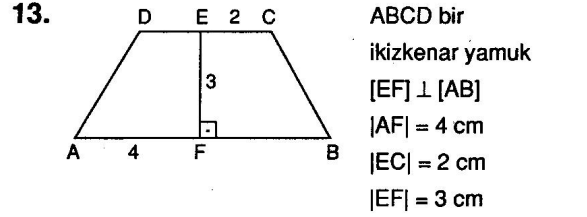
Yukarıdaki verilere göre, $|AD| + |CE|$ toplamı kaç cm dir?

- A) $\frac{7}{3}$ B) $\frac{8}{3}$ C) 3 D) $\frac{10}{3}$ E) $\frac{11}{3}$



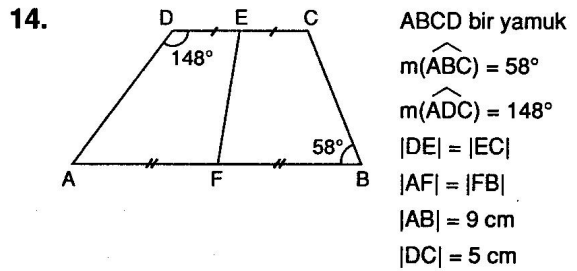
Yukarıdaki verilere göre, $A(ABF)$ kaç cm^2 dir?

- A) 12 B) 15 C) 18 D) 24 E) 30



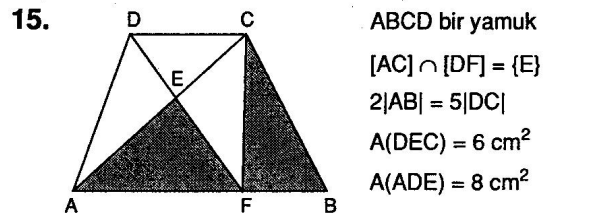
Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

- A) 36 B) 32 C) 28 D) 24 E) 18



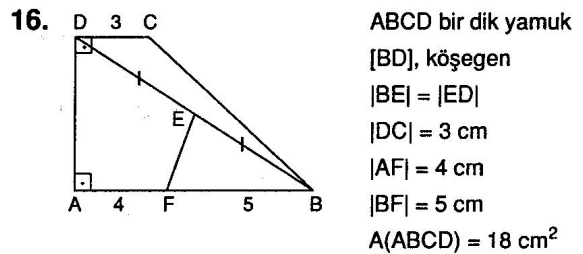
Yukarıdaki verilere göre, $|EF|$ kaç cm dir?

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



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

- A) 14 B) 18 C) 27 D) 36 E) 39



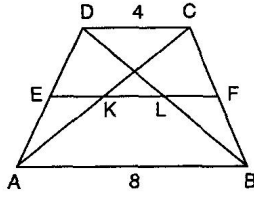
Yukarıdaki verilere göre, $|EF|$ kaç cm dir?

- A) $\frac{\sqrt{10}}{2}$ B) $\sqrt{10}$ C) $2\sqrt{10}$
 D) $\frac{2\sqrt{10}}{3}$ E) $5\sqrt{10}$

YAMUK

Konu Uygulama Testi - 3

1.

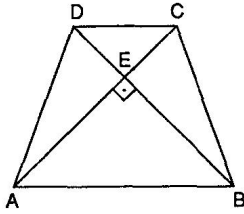


ABCD bir yamuk
[AC] ve [BD]
köşegen
[EF] orta taban
|DC| = 4 cm
|AB| = 8 cm

Yukarıdaki verilere göre, |KL| kaç cm dir?

- A) 6 B) 4 C) 3 D) 2 E) 1

2.

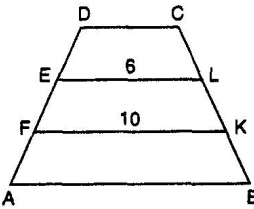


ABCD bir
ikizkenar yamuk
[AC] $\perp$ [BD]

Yukarıdaki şekilde ABCD ikizkenar yamuğunun orta taban uzunluğu 4 cm olduğuna göre, yüksekliği kaç cm dir?

- A) 8 B) 6 C) 5 D) 4 E) 2

3.



ABCD bir yamuk
|AF| = |FE| = |ED|
|BK| = |KL| = |LC|
|EL| = 6 cm
|FK| = 10 cm

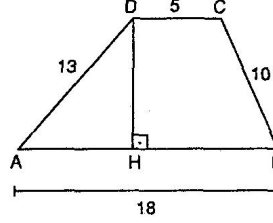
Yukarıdaki verilere göre, |AB| + |DC| toplamı kaç cm dir?

- A) 14 B) 16 C) 18 D) 20 E) 22

4. Köşegenleri dik kesişen bir dik yamuğun alt taban uzunluğu 4 cm ve yüksekliği 2 cm olduğuna göre, bu yamuğun bir yan kenarının uzunluğu kaç cm dir?

- A) 3 B) $\sqrt{10}$ C) $2\sqrt{3}$ D) $\sqrt{13}$ E) $\sqrt{15}$

5.

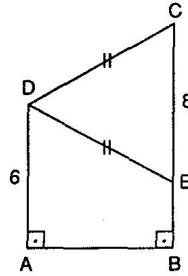


ABCD bir yamuk
[DH] $\perp$ [AB]
|AD| = 13 cm
|AB| = 18 cm
|BC| = 10 cm
|DC| = 5 cm

Yukarıdaki verilere göre, |DH| kaç cm dir?

- A) $\frac{120}{13}$ B) $\frac{90}{13}$ C) $\frac{75}{13}$ D) $\frac{60}{13}$ E) $\frac{45}{13}$

6.

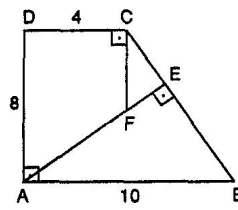


ABCD bir dik yamuk
|DE| = |DC|
 $2|AB| = \sqrt{3}|DC|$
|AD| = 6 cm
|EC| = 8 cm

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

- A) 16 B) $16\sqrt{3}$ C) 32 D) $32\sqrt{3}$ E) 36

7.

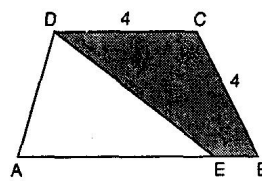


ABCD bir dik yamuk
AEB bir dik üçgen
[FC] $\perp$ [CD]
|AD| = 8 cm
|DC| = 4 cm
|AB| = 10 cm

Yukarıdaki verilere göre, |AF| kaç cm dir?

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

8.

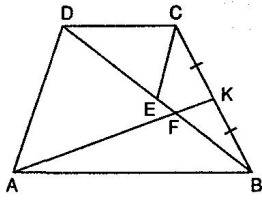


ABCD bir
ikizkenar yamuk
 $m(\widehat{ADC}) = 2m(\widehat{ABC})$
|BC| = |CD| = 4 cm
|BE| = 1 cm

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

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

9.

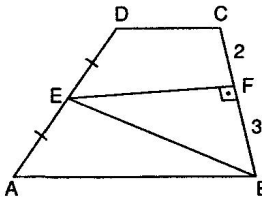


ABCD bir yamuk
 $[AK] \perp [BD] = \{F\}$
 $2|AB| = 3|DC|$
 $|DE| = |EB|$
 $|BK| = |KC|$
 $|EF| = 1 \text{ cm}$

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

- A) 2 B) $\frac{5}{2}$ C) 3 D) $\frac{7}{2}$ E) 4

10.

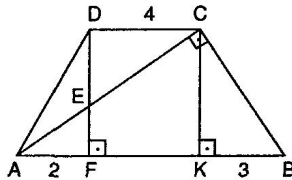


ABCD bir yamuk
 $[EF] \perp [BC]$
 $|AE| = |ED|$
 $|CF| = 2 \text{ cm}$
 $|BF| = 3 \text{ cm}$
 $A(ABCD) = 20 \text{ cm}^2$

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

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

11.

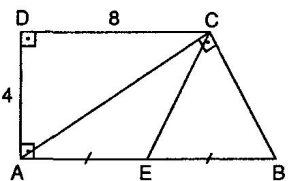


ABCD bir yamuk
 ACB bir dik üçgen
 $[DF] \perp [AB]$
 $[CK] \perp [AB]$
 $|CD| = 4 \text{ cm}$
 $|AF| = 2 \text{ cm}$
 $|BK| = 3 \text{ cm}$

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

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

12.

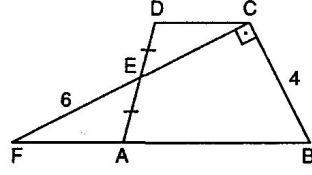


ABCD bir dik yamuk
 ACB bir dik üçgen
 $|AE| = |EB|$
 $|DC| = 8 \text{ cm}$
 $|AD| = 4 \text{ cm}$

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

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

13.

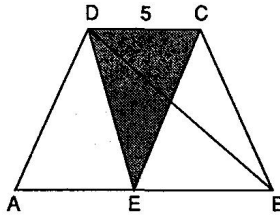


ABCD bir yamuk
 $[FC] \perp [CB]$
 $|AE| = |ED|$
 $|BC| = 4 \text{ cm}$
 $|EF| = 6 \text{ cm}$

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

- A) 48 B) 36 C) 32 D) 24 E) 12

14.

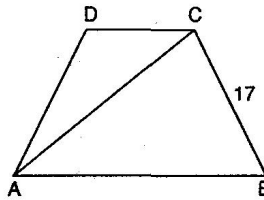


ABCD bir
 ikizkenar yamuk
 $|DC| = 5 \text{ cm}$
 $|AB| = 11 \text{ cm}$
 $A(DEC) = 15 \text{ cm}^2$

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

- A) 8 B) 9 C) 10 D) 11 E) 12

15.

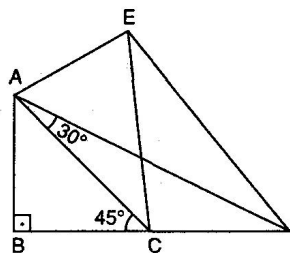


ABCD bir
 ikizkenar yamuk
 $|AB|$ ve $|CD|$
 birer tamsayı
 $|BC| = 17 \text{ cm}$
 $|AC| = 25 \text{ cm}$

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

- A) 105 B) 150 C) 210 D) 250 E) 300

16.

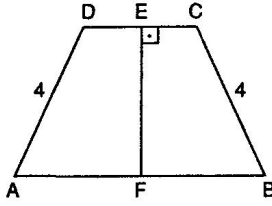


Düzlemsel şekilde
 $[AC] \parallel [ED]$
 $[AB] \perp [BD]$
 $m(\widehat{CAD}) = 30^\circ$
 $m(\widehat{ACB}) = 45^\circ$
 $|AD| = 24 \text{ cm}$

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

- A) 108 B) 72 C) 64 D) 54 E) 36

1.

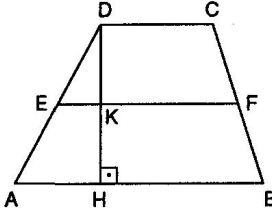


ABCD bir
ikizkenar yamuk
[FE] $\perp$ [DC]
|DC| = 2 cm
|AB| = 6 cm
|AD| = |BC| = 4 cm

Yukarıdaki verilere göre, |EF| kaç cm dir?

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

2.

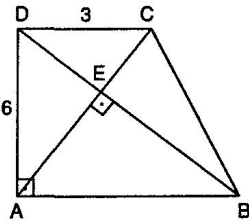


ABCD bir yamuk
[EF] orta taban
[DH] $\perp$ [AB]
|DK| = 2 cm
|EF| = 8 cm

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

- A) 8 B) 16 C) 24 D) 32 E) 36

3.

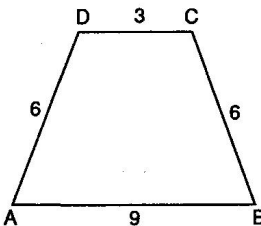


ABCD bir dik yamuk
[AC] $\perp$ [BD]
|DC| = 3 cm
|AD| = 6 cm

Yukarıdaki verilere göre, |AB| kaç cm dir?

- A) 6 B) 8 C) 9 D) 12 E) 15

4.

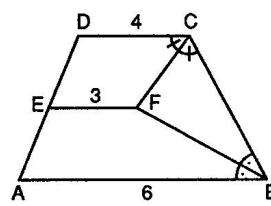


ABCD bir
ikizkenar yamuk
|AD| = |BC| = 6 cm
|DC| = 3 cm
|AB| = 9 cm

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

- A) $18\sqrt{3}$ B) $12\sqrt{3}$ C) $9\sqrt{3}$ D) $6\sqrt{3}$ E) 12

5.

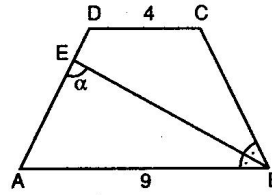


ABCD bir yamuk
[CF] ve [BF] açıortay
[EF] $\parallel$ [AB]
|EF| = 3 cm
|DC| = 4 cm
|AB| = 6 cm

Yukarıdaki verilere göre, |BC| kaç cm dir?

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

6.

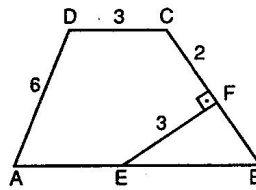


ABCD bir
ikizkenar yamuk
[BE], açıortay
|DC| = 4 cm
|AD| = 5 cm
|AB| = 9 cm

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

- A) 60 B) 75 C) 90 D) 105 E) 120

7.

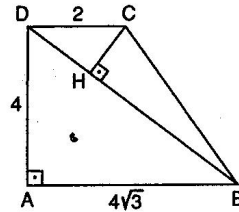


ABCD bir yamuk
 $m(\widehat{BAD}) + m(\widehat{BCD}) = 180^\circ$
[EF] $\perp$ [BC]
|AD| = 6 cm
|CF| = 2 cm
|DC| = |EF| = 3 cm

Yukarıdaki verilere göre, |AE| kaç cm dir?

- A) $\frac{48}{5}$ B) $\frac{38}{5}$ C) $\frac{36}{5}$ D) $\frac{32}{5}$ E) $\frac{24}{5}$

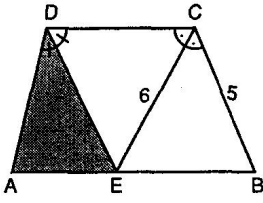
8.

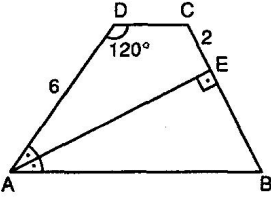


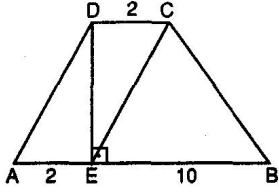
ABCD bir
dik yamuk
[CH] $\perp$ [BD]
|CD| = 2 cm
|AD| = 4 cm
|AB| = $4\sqrt{3}$ cm

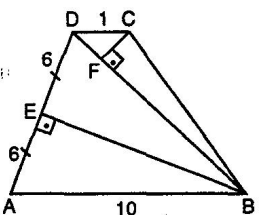
Yukarıdaki verilere göre, |CH| kaç cm dir?

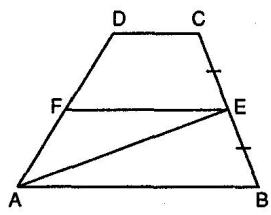
- A) $\sqrt{3}$ B) $\frac{\sqrt{3}}{2}$ C) $\frac{1}{2}$ D) 1 E) $\frac{3}{2}$

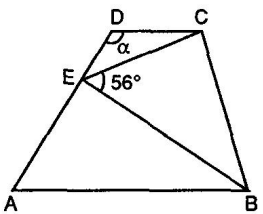
9.  ABCD bir yamuk
[CE] ve [DE]
açıortaylar
|BC| = 5 cm
|EC| = 6 cm
|AD| = $\frac{5}{2}$ cm
- Yukarıdaki verilere göre, A(AED) kaç cm^2 dir?
- A) 24 B) 12 C) 9 D) 6 E) 3

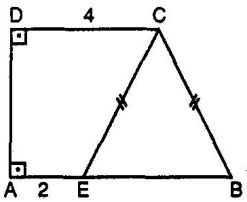
10.  ABCD bir yamuk
[AE] açıortay
[AE] $\perp$ [BC]
 $m(\widehat{ADC}) = 120^\circ$
|AD| = 6 cm
|EC| = 2 cm
- Yukarıdaki verilere göre, |DC| kaç cm dir?
- A) 1 B) 2 C) 3 D) 4 E) 5

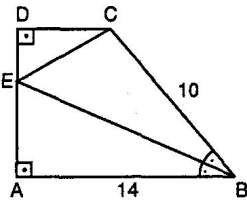
11.  ABCD bir yamuk
[DE] $\perp$ [AB]
|AE| = |DC| = 2 cm
|EB| = 10 cm
- Yukarıdaki şekilde BAD ve ABC açılarının toplamı 90° olduğuna göre, Ç(ABCD) kaç cm dir?
- A) $16 + 6\sqrt{5}$ B) $16 + 4\sqrt{5}$ C) $12 + 6\sqrt{5}$
D) 28 E) $14 + 6\sqrt{5}$

12.  ABCD bir yamuk
[BE] $\perp$ [AD]
[CF] $\perp$ [BD]
|AE| = |ED| = 6 cm
|DC| = 1 cm
|AB| = 10 cm
- Yukarıdaki verilere göre, |FC| kaç cm dir?
- A) $\frac{24}{25}$ B) $\frac{25}{24}$ C) $\frac{48}{25}$ D) $\frac{48}{5}$ E) $\frac{24}{5}$

13.  ABCD bir yamuk
[FE] // [AB]
|BE| = |EC|
 $\frac{A(AEB)}{A(ADCE)} = \frac{5}{12}$
- Yukarıdaki verilere göre, $\frac{|EF|}{|AB|}$ oranı kaçtır?
- A) $\frac{3}{5}$ B) $\frac{17}{20}$ C) $\frac{12}{17}$ D) $\frac{5}{17}$ E) $\frac{19}{20}$

14.  ABCD bir yamuk
 $m(\widehat{ECD}) = 26^\circ$
 $m(\widehat{BEC}) = 56^\circ$
|BE| = $\sqrt{3}$ |AE|
- Yukarıdaki verilere göre, $m(\widehat{EDC}) = \alpha$ kaç derecedir?
- A) 120 B) 150 C) 100 D) 90 E) 124

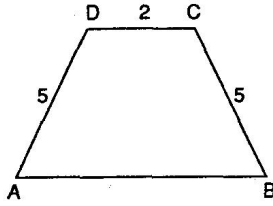
15.  ABCD bir dik yamuk
|EC| = |BC|
|DC| = 4 cm
|AD| = $2\sqrt{3}$ cm
|AE| = 2 cm
- Yukarıdaki verilere göre, A(EBC) kaç cm^2 dir?
- A) $10\sqrt{3}$ B) $8\sqrt{3}$ C) $6\sqrt{3}$ D) $4\sqrt{3}$ E) 6

16.  ABCD bir dik yamuk
[BE] açıortay
|AD| = 8 cm
|BC| = 10 cm
|AB| = 14 cm
- Yukarıdaki verilere göre, |EC| kaç cm dir?
- A) $2\sqrt{17}$ B) $4\sqrt{5}$ C) $6\sqrt{2}$ D) $\sqrt{65}$ E) 6

YAMUK

Konu Uygulama Testi - 5

1.

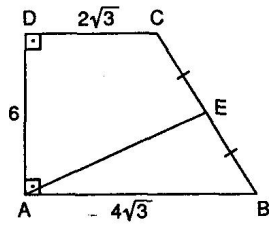


ABCD bir
ikizkenar yamuk
 $m(\widehat{C}) = 2m(\widehat{A})$
 $|DC| = 2$ cm
 $|AD| = |BC| = 5$ cm

Yukarıdaki verilere göre, $\widehat{C}(\text{ABCD})$ kaç cm dir?

- A) 15 B) 17 C) 19 D) 21 E) 23

2.

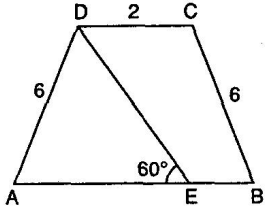


ABCD bir dik yamuk
 $|BE| = |EC|$
 $|AB| = 4\sqrt{3}$ cm
 $|DC| = 2\sqrt{3}$ cm
 $|AD| = 6$ cm

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

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

3.

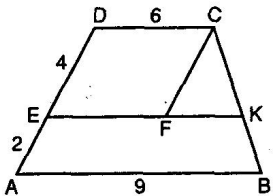


ABCD bir
ikizkenar yamuk
 $m(\widehat{AED}) = 60^\circ$
 $|AB| = 8$ cm
 $|DC| = 2$ cm
 $|AD| = |BC| = 6$ cm

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

- A) 8 B) 7 C) 6 D) 5 E) 4

4.

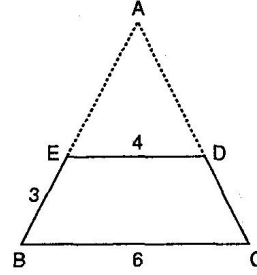


ABCD bir yamuk
EFCD paralelkenar
 $[EK] \parallel [AB]$
 $|DE| = 4$ cm
 $|AE| = 2$ cm
 $|DC| = 6$ cm
 $|AB| = 9$ cm

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

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

5.

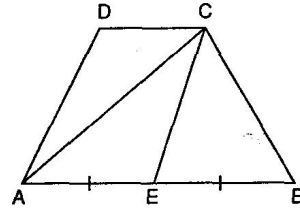


ABC bir
ikizkenar üçgen
BCDE bir yamuk
 $|AB| = |AC|$
 $|EB| = 3$ cm
 $|DE| = 4$ cm
 $|BC| = 6$ cm

Yukarıdaki verilere göre, $\widehat{C}(\text{AED})$ kaç cm dir?

- A) 24 B) 20 C) 16 D) 12 E) 10

6.

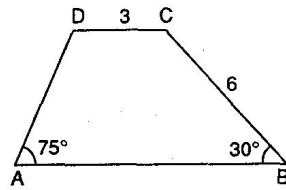


ABCD bir yamuk
 $|AE| = |EB|$
 $2|AB| = 5|DC|$
 $A(\text{ADC}) = 40$ cm²

Yukarıdaki verilere göre, $A(\text{BEC})$ kaç cm² dir?

- A) 130 B) 90 C) 85 D) 75 E) 50

7.

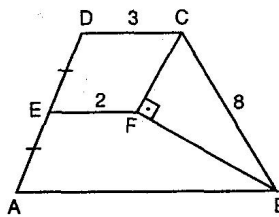


ABCD bir yamuk
 $m(\widehat{BAD}) = 75^\circ$
 $m(\widehat{ABC}) = 30^\circ$
 $|DC| = 3$ cm
 $|BC| = 6$ cm

Yukarıdaki verilere göre, $A(\text{ABCD})$ kaç cm² dir?

- A) 36 B) 18 C) 16 D) 12 E) 9

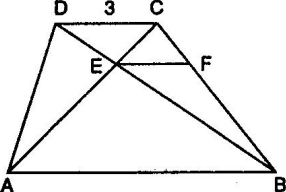
8.

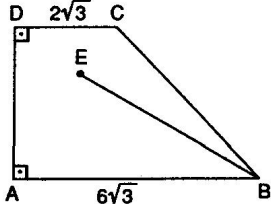


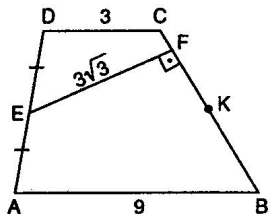
ABCD bir yamuk
BFC bir dik üçgen
 $[EF] \parallel [AB]$
 $|AE| = |ED|$
 $|BC| = 8$ cm
 $|EF| = 2$ cm
 $|DC| = 3$ cm

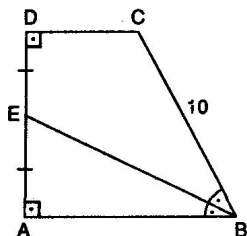
Yukarıdaki verilere göre, $|AB|$ kaç cm dir?

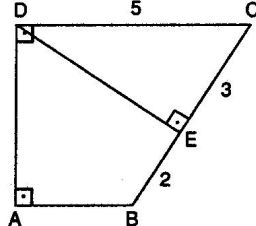
- A) 5 B) 6 C) 7 D) 9 E) 10

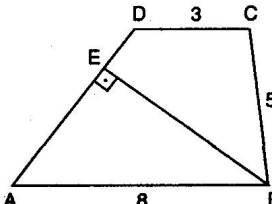
9.  ABCD bir yamuk
 $[EF] \parallel [AB]$
 $|EF| = 2 \text{ cm}$
 $|DC| = 3 \text{ cm}$
 Yukarıdaki verilere göre, $\frac{A(DEC)}{A(AEB)}$ oranı kaçtır?
 A) $\frac{4}{9}$ B) $\frac{1}{4}$ C) $\frac{1}{9}$ D) $\frac{2}{9}$ E) $\frac{9}{16}$

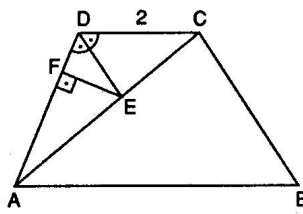
10.  ABCD bir dik yamuk
 $|AB| = 6\sqrt{3} \text{ cm}$
 $|DC| = 2\sqrt{3} \text{ cm}$
 Yukarıdaki şekilde yamuğun köşegenleri E noktasında dik kesiştiklerine göre, $|EB|$ kaç cm dir?
 A) 9 B) $4\sqrt{3}$ C) 6 D) $3\sqrt{3}$ E) 4

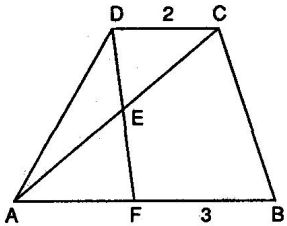
11.  ABCD bir yamuk
 $[EF] \perp [BC]$
 $|AE| = |ED|$
 $|BK| = |KC|$
 $|DC| = 3 \text{ cm}$
 $|AB| = 9 \text{ cm}$
 $|EF| = 3\sqrt{3} \text{ cm}$
 Yukarıdaki verilere göre, $|KF|$ kaç cm dir?
 A) $\sqrt{3}$ B) $2\sqrt{3}$ C) 3 D) 2 E) $\sqrt{5}$

12.  ABCD bir dik yamuk
 $[BE]$, açıortay
 $|AE| = |ED|$
 $|EB| = 8 \text{ cm}$
 $|BC| = 10 \text{ cm}$
 Yukarıdaki verilere göre, $|DC|$ kaç cm dir?
 A) $\frac{18}{5}$ B) $\frac{24}{5}$ C) $\frac{16}{5}$ D) $\frac{12}{5}$ E) $\frac{8}{5}$

13.  ABCD bir dik yamuk
 $[DE] \perp [BC]$
 $|DC| = 5 \text{ cm}$
 $|EC| = 3 \text{ cm}$
 $|BE| = 2 \text{ cm}$
 Yukarıdaki verilere göre, $|AB| + |AD|$ toplamı kaç cm dir?
 A) 7 B) 6 C) 5 D) 4 E) 3

14.  ABCD bir yamuk
 $[BE] \perp [AD]$
 $|AD| = 6 \text{ cm}$
 $|DC| = 3 \text{ cm}$
 $|AB| = 8 \text{ cm}$
 $|BC| = 5 \text{ cm}$
 Yukarıdaki verilere göre, $|BE|$ kaç cm dir?
 A) $\frac{32}{5}$ B) $\frac{24}{5}$ C) $\frac{18}{5}$ D) $\frac{16}{5}$ E) $\frac{12}{5}$

15.  ABCD bir yamuk
 $[AC]$, köşegen
 $[DE]$ açıortay
 $[EF] \perp [AD]$
 $[DE] \parallel [BC]$
 $|AD| = 4 \text{ cm}$
 $|EF| = 1 \text{ cm}$
 $|DC| = 2 \text{ cm}$
 Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
 A) 5 B) 10 C) 12 D) 20 E) 25

16.  ABCD bir yamuk
 $[AC] \cap [DF] = \{E\}$
 $A(DEC) = 4 \text{ cm}^2$
 $A(AEF) = 9 \text{ cm}^2$
 $|DC| = 2 \text{ cm}$
 $|BF| = 3 \text{ cm}$
 Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?
 A) 25 B) 31 C) 34 D) 36 E) 40