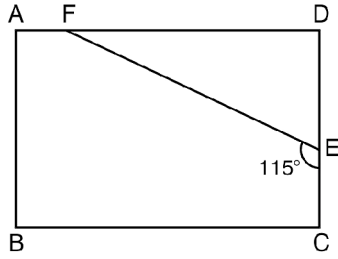


DİKDÖRTGEN

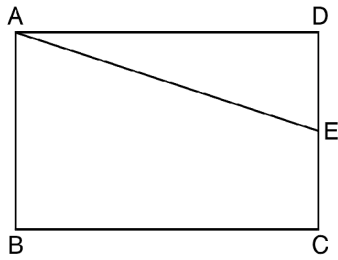
11.SINIF · MATEMATİK

- 1 ABCD dikdörtgen
 $m(\widehat{FEC}) = 115^\circ$
 olduğuna göre,
 $m(\widehat{DFE})$
 kaç derecedir?



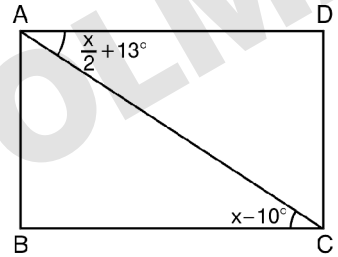
- A) 15 B) 20 C) 25 D) 30 E) 35

- 2 ABCD dikdörtgen
 $m(\widehat{BAE}) = 4m(\widehat{EAD})$
 olduğuna göre,
 $m(\widehat{AED})$
 kaç derecedir?



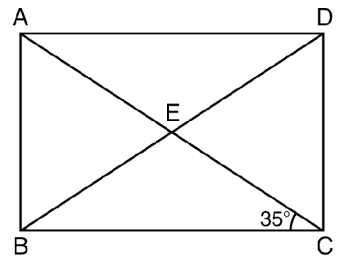
- A) 81 B) 75 C) 72 D) 70 E) 68

- 3 ABCD dikdörtgen
 $m(\widehat{DAC}) = \frac{x}{2} + 13^\circ$
 $m(\widehat{ACB}) = x - 10^\circ$
 olduğuna göre,
 $m(\widehat{BAC})$
 kaç derecedir?



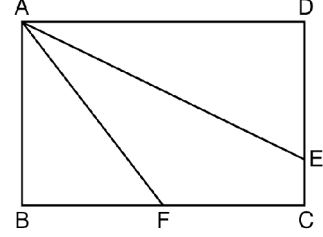
- A) 36 B) 45 C) 48 D) 54 E) 60

- 4 ABCD dikdörtgen
 [BD] köşegen
 $m(\widehat{ACB}) = 35^\circ$
 olduğuna göre,
 $m(\widehat{AED})$
 kaç derecedir?



- A) 110 B) 115 C) 120 D) 125 E) 130

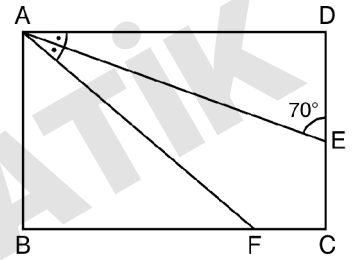
5



ABCD dikdörtgen, $m(\widehat{AED}) + m(\widehat{AFB}) = 125^\circ$
 olduğuna göre, $m(\widehat{EAF})$ kaç derecedir?

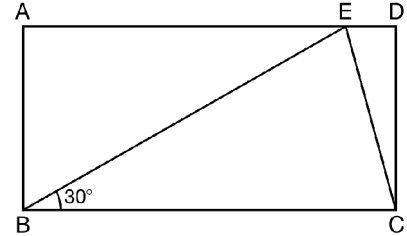
- A) 30 B) 35 C) 42 D) 45 E) 48

- 6 ABCD dikdörtgen
 [AE] açıortay
 $m(\widehat{AED}) = 70^\circ$
 olduğuna göre,
 $m(\widehat{AFC})$
 kaç derecedir?



- A) 120 B) 125 C) 130 D) 135 E) 140

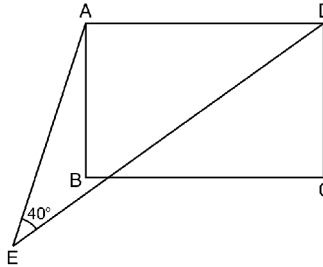
7



ABCD dikdörtgen, $|AD| = |BE|$, $m(\widehat{EBC}) = 30^\circ$
 olduğuna göre, $m(\widehat{DEC})$ kaç derecedir?

- A) 70 B) 75 C) 80 D) 82 E) 85

8



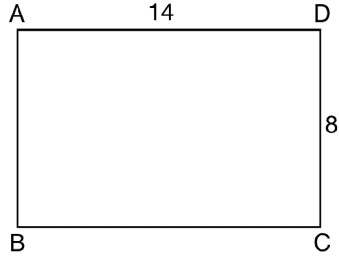
ABCD dikdörtgen, $|AE| = |BC|$, $m(\widehat{AED}) = 40^\circ$
 olduğuna göre, $m(\widehat{EAD})$ kaç derecedir?

- A) 92 B) 95 C) 98 D) 100 E) 102

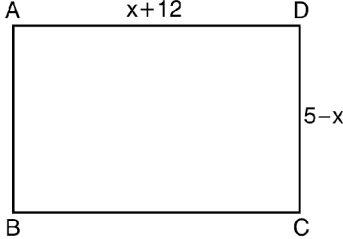
DİKDÖRTGEN

11.SINIF · MATEMATİK

- 9 $|AD| = 14$ cm
 $|DC| = 8$ cm
olduğuna göre,
ABCD dikdörtgeninin
çevresi kaç cm dir?

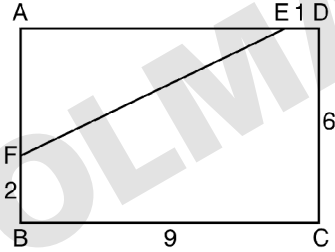


- A) 44 B) 42 C) 40 D) 38 E) 35

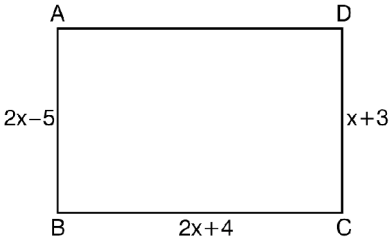
- 10 
 $|AD| = (x + 12)$ cm, $|DC| = (5 - x)$ cm olduğuna göre,
ABCD dikdörtgeninin çevresi kaç cm dir?

- A) 25 B) 28 C) 30 D) 32 E) 34

- 11 ABCD dikdörtgen
 $|ED| = 1$ cm
 $|DC| = 6$ cm
 $|BF| = 2$ cm
 $|BC| = 9$ cm
olduğuna göre,
 $|AF| + |AE|$
toplamı kaç cm dir?



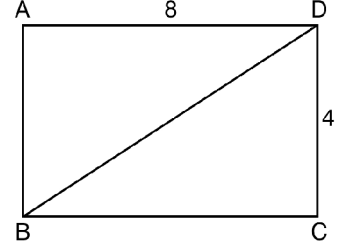
- A) 10 B) 12 C) 15 D) 16 E) 18

- 12 

ABCD dikdörtgen, $|AB| = (2x - 5)$ cm, $|DC| = (x + 3)$ cm
 $|BC| = (2x + 4)$ cm olduğuna göre, $|AD|$ kaç cm dir?

- A) 15 B) 17 C) 20 D) 22 E) 25

- 13 ABCD dikdörtgen
 $|AD| = 8$ cm
 $|DC| = 4$ cm
olduğuna göre,
 $|BD|$ kaç cm dir?

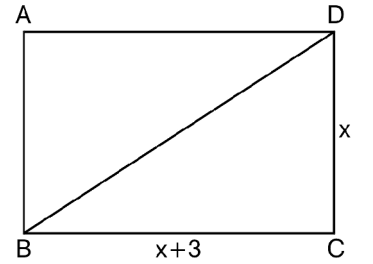


- A) $4\sqrt{5}$ B) $2\sqrt{19}$ C) $6\sqrt{2}$ D) $\sqrt{70}$ E) $2\sqrt{17}$

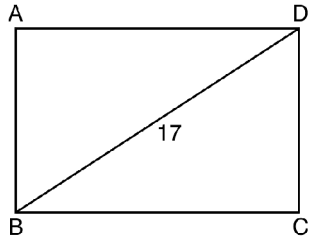
- 14 Kenarlarının uzunlukları 3 cm ve 5 cm olan dikdört-
genin bir köşegeninin uzunluğu kaç cm dir?

- A) 4 B) $\sqrt{34}$ C) 6 D) $2\sqrt{10}$ E) $3\sqrt{5}$

- 15 ABCD dikdörtgen
 $|AD| = 2|AB|$
 $|DC| = x$ cm
 $|BC| = (x + 3)$ cm
olduğuna göre,
 $|BD|$ kaç cm dir?



- A) $2\sqrt{15}$ B) $2\sqrt{13}$ C) $5\sqrt{2}$ D) $4\sqrt{3}$ E) $3\sqrt{5}$

- 16 
 $|AD| = |AB| + 7$, $|BD| = 17$ cm olduğuna göre,
ABCD dikdörtgeninin çevresi kaç cm dir?

- A) 36 B) 40 C) 42 D) 46 E) 50

DİKDÖRTGEN

11.SINIF · MATEMATİK

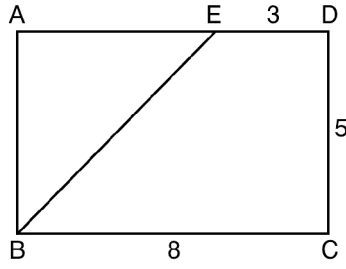
17 ABCD dikdörtgen

$$|ED| = 3 \text{ cm}$$

$$|DC| = 5 \text{ cm}$$

$$|BC| = 8 \text{ cm}$$

olduğuna göre,
|BE| kaç cm dir?



- A) 6 B) $5\sqrt{2}$ C) 8 D) 10 E) $6\sqrt{3}$

18 ABCD dikdörtgen

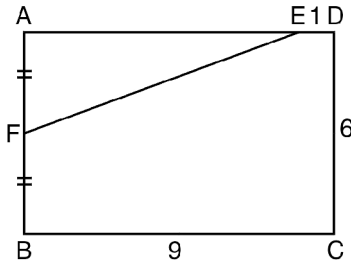
$$|AF| = |BF|$$

$$|ED| = 1 \text{ cm}$$

$$|DC| = 6 \text{ cm}$$

$$|BC| = 9 \text{ cm}$$

olduğuna göre,
|EF| kaç cm dir?



- A) $\sqrt{73}$ B) $6\sqrt{2}$ C) $5\sqrt{3}$ D) $4\sqrt{3}$ E) $3\sqrt{5}$

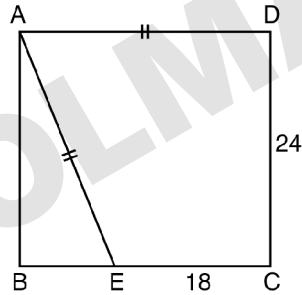
19 ABCD dikdörtgen

$$|AD| = |AE|$$

$$|EC| = 18 \text{ cm}$$

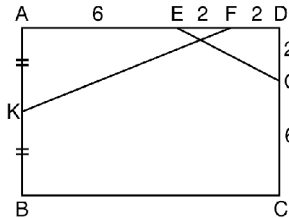
$$|DC| = 24 \text{ cm}$$

olduğuna göre,
|BE| kaç cm dir?



- A) 11 B) 10 C) 9 D) 8 E) 7

20



ABCD dikdörtgen, $|EF| = |FD| = |DG| = 2 \text{ cm}$
 $|AK| = |BK|$, $|AE| = |GC| = 6 \text{ cm}$ olduğuna göre,
 $|KF| + |EG|$ toplamı kaç cm dir?

- A) $6\sqrt{5}$ B) $8\sqrt{2}$ C) $6\sqrt{2}$ D) $4\sqrt{5}$ E) $4\sqrt{3}$

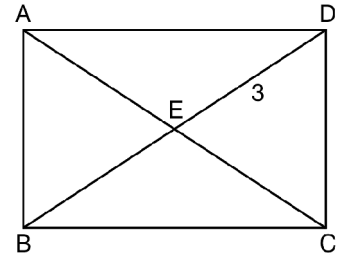
21 ABCD dikdörtgen

$$|DE| = 3 \text{ cm}$$

olduğuna göre,

$$|AC| + |BD|$$

toplamı kaç cm dir?



- A) 6 B) 9 C) 12 D) 15 E) 18

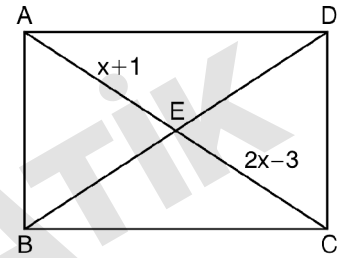
22 ABCD dikdörtgen

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

$$|AE| = (x+1) \text{ cm}$$

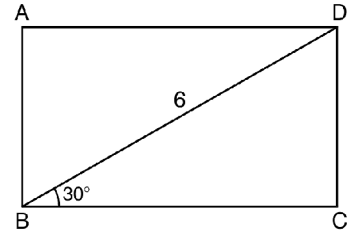
$$|EC| = (2x-3) \text{ cm}$$

olduğuna göre,
|BD| kaç cm dir?



- A) 5 B) 7 C) 10 D) 12 E) 15

23



ABCD dikdörtgen, $m(\widehat{CBD}) = 30^\circ$, $|BD| = 6 \text{ cm}$
olduğuna göre, |BC| kaç cm dir?

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

24

$$m(\widehat{DAE}) = 45^\circ$$

$$|AE| = 4\sqrt{2} \text{ cm}$$

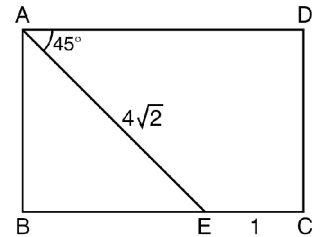
$$|EC| = 1 \text{ cm}$$

olduğuna göre,

ABCD

dikdörtgeninin

çevresi kaç cm dir?

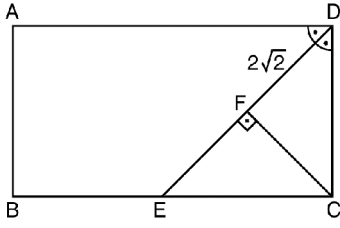


- A) 18 B) 16 C) 14 D) 12 E) 10

DİKDÖRTGEN

11.SINIF · MATEMATİK

25



ABCD dikdörtgen, $[DE]$ açıortay, $[FC] \perp [DE]$
 $|BE| = |EC| + 1$, $|DF| = 2\sqrt{2}$ cm **olduğuna göre,**
 $|AD|$ kaç cm dir?

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

26

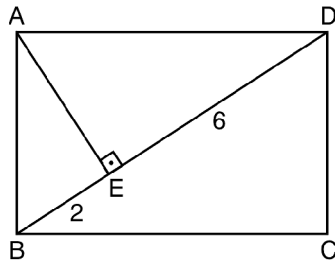
ABCD dikdörtgen

$[AE] \perp [BD]$

$|BE| = 2$ cm

$|ED| = 6$ cm

olduğuna göre,
 $|AE|$ kaç cm dir?



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

27

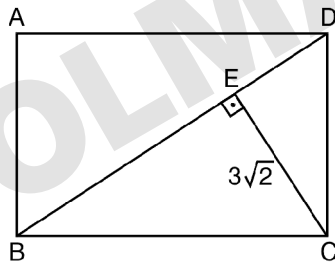
ABCD dikdörtgen

$[CE] \perp [BD]$

$|BE| = |ED| + 3$

$|EC| = 3\sqrt{2}$ cm

olduğuna göre,
 $|DC|$ kaç cm dir?



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

28

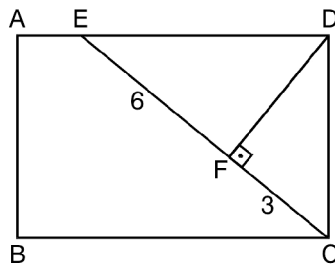
ABCD dikdörtgen

$[DF] \perp [EC]$

$|EF| = 6$ cm

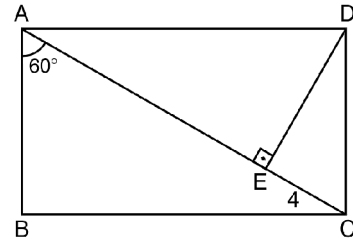
$|FC| = 3$ cm

olduğuna göre,
 $|BC| - |AE|$ farkı
 kaç cm dir?



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

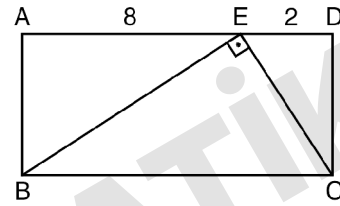
29



ABCD dikdörtgen, $[DE] \perp [AC]$, $m(\widehat{BAC}) = 60^\circ$
 $|EC| = 4$ cm **olduğuna göre,** $|AE|$ kaç cm dir?

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

30



ABCD dikdörtgen, $m(\widehat{BEC}) = 90^\circ$, $|AE| = 8$ cm
 $|ED| = 2$ cm **olduğuna göre,** $|AB|$ kaç cm dir?

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

31

ABCD dikdörtgen

$[EF] \perp [AD]$

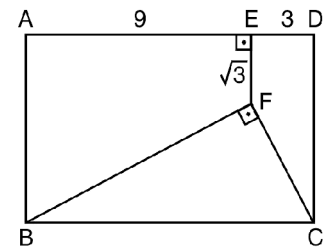
$[BF] \perp [FC]$

$|EF| = \sqrt{3}$ cm

$|ED| = 3$ cm

$|AE| = 9$ cm

olduğuna göre,
 $|AB|$ kaç cm dir?



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

32

ABCD dikdörtgen

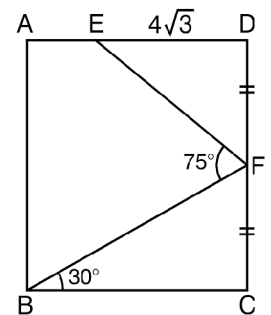
$|DF| = |FC|$

$m(\widehat{FBC}) = 30^\circ$

$m(\widehat{BFE}) = 75^\circ$

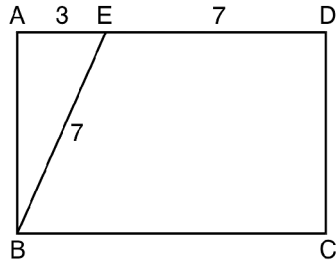
$|ED| = 4\sqrt{3}$ cm

olduğuna göre,
 $|BC|$ kaç cm dir?



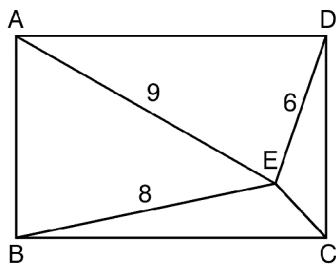
- A) $4\sqrt{3}$ B) 8 C) $5\sqrt{3}$ D) $6\sqrt{2}$ E) 12

- 33** ABCD dikdörtgen
 $|BE| = |ED| = 7$ cm
 $|AE| = 3$ cm
 olduğuna göre,
 E noktasının
 C köşesine
 uzaklığı kaç cm dir?



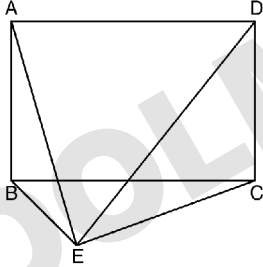
- A) $3\sqrt{10}$ B) $\sqrt{89}$ C) $4\sqrt{5}$ D) $3\sqrt{5}$ E) $2\sqrt{15}$

- 34** ABCD dikdörtgen
 $|DE| = 6$ cm
 $|BE| = 8$ cm
 $|AE| = 9$ cm
 olduğuna göre,
 $|EC|$ kaç cm dir?



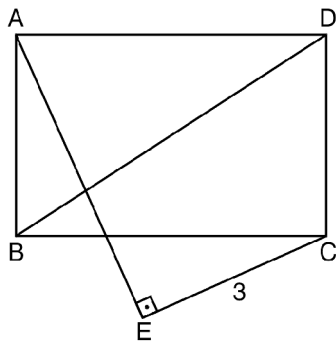
- A) $3\sqrt{2}$ B) $\sqrt{19}$ C) $2\sqrt{5}$ D) $2\sqrt{6}$ E) 5

- 35** ABCD dikdörtgen, $|AE|^2 + |EC|^2 = 168$ cm²
 $|DE| = 12$ cm olduğuna göre, $|BE|$ kaç cm dir?



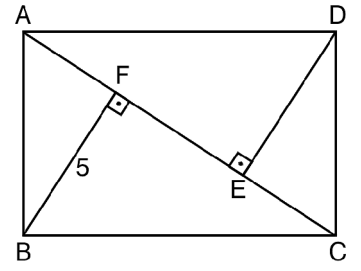
- A) $2\sqrt{6}$ B) 5 C) $2\sqrt{7}$ D) 6 E) 8

- 36** ABCD dikdörtgen
 $|AE| \perp |EC|$
 $|AE| = 6$ cm
 $|EC| = 3$ cm
 olduğuna göre,
 $|BD|$ kaç cm dir?



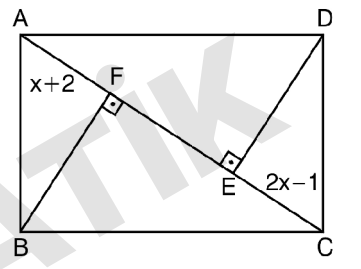
- A) $3\sqrt{3}$ B) 6 C) $3\sqrt{5}$ D) 8 E) 9

- 37** ABCD dikdörtgen
 $|DE| \perp |AC|$
 $|BF| \perp |AC|$
 $|BF| = 5$ cm
 olduğuna göre,
 $|DE|$ kaç cm dir?



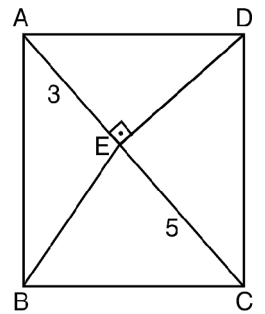
- A) $\frac{13}{2}$ B) 6 C) $\frac{11}{2}$ D) 5 E) 4

- 38** ABCD dikdörtgen
 $|DE| \perp |AC|$
 $|BF| \perp |AC|$
 $|AF| = (x+2)$ cm
 $|EC| = (2x-1)$ cm
 olduğuna göre,
 $|AF|$ kaç cm dir?



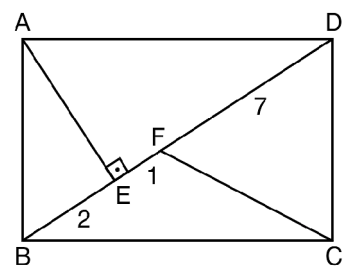
- A) 6 B) 5 C) 4 D) 3 E) 2

- 39** ABCD dikdörtgen
 $|DE| \perp |AC|$
 $|AE| = 3$ cm
 $|EC| = 5$ cm
 olduğuna göre,
 $|BE|$ kaç cm dir?



- A) $\sqrt{30}$ B) 5 C) $2\sqrt{6}$ D) $2\sqrt{5}$ E) $\sqrt{19}$

- 40** ABCD dikdörtgen
 $|AE| \perp |BD|$
 $|BE| = 2$ cm
 $|EF| = 1$ cm
 $|FD| = 7$ cm
 olduğuna göre,
 $|FC|$ kaç cm dir?



- A) 4 B) $4\sqrt{2}$ C) 6 D) $\sqrt{41}$ E) $3\sqrt{5}$

DİKDÖRTGEN

11.SINIF · MATEMATİK

41 ABCD dikdörtgen

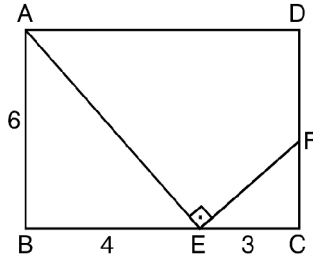
$$[AE] \perp [FE]$$

$$|AB| = 6 \text{ cm}$$

$$|BE| = 4 \text{ cm}$$

$$|EC| = 3 \text{ cm}$$

olduğuna göre,
|DF| kaç cm dir?



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

42 ABCD dikdörtgen

$$[EF] \perp [DC]$$

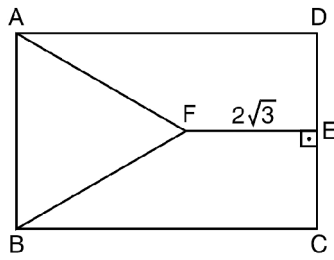
$$|EF| = 2\sqrt{3} \text{ cm}$$

ABF eşkenar

üçgeninin

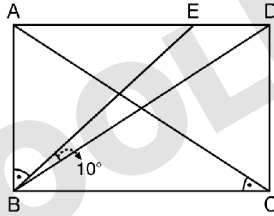
çevresi 18 cm

olduğuna göre,
|AD| kaç cm dir?



- A) $5\sqrt{3}$ B) $4\sqrt{3}$ C) $3\sqrt{5}$ D) $2\sqrt{10}$ E) 6

43



ABCD dikdörtgen, $m(\widehat{ABE}) = m(\widehat{ACB})$, $m(\widehat{EBD}) = 10^\circ$
olduğuna göre, $m(\widehat{ACD})$ kaç derecedir?

- A) 50 B) 60 C) 65 D) 70 E) 80

44 ABCD dikdörtgen

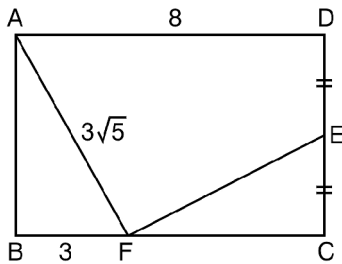
$$|DE| = |EC|$$

$$|AD| = 8 \text{ cm}$$

$$|AF| = 3\sqrt{5} \text{ cm}$$

$$|BF| = 3 \text{ cm}$$

olduğuna göre,
|EF| kaç cm dir?



- A) 4 B) $2\sqrt{7}$ C) $4\sqrt{2}$ D) $\sqrt{34}$ E) 6

45

ABCD ve CEFG

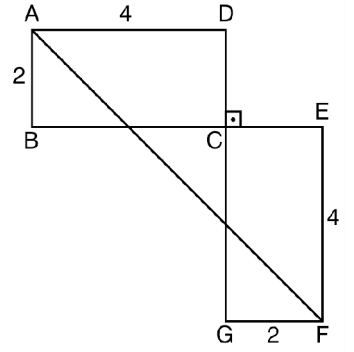
dikdörtgen

$$[DG] \perp [BE]$$

$$|AB| = |GF| = 2 \text{ cm}$$

$$|AD| = |EF| = 4 \text{ cm}$$

olduğuna göre,
|AF| kaç cm dir?



- A) $2\sqrt{15}$ B) 8 C) $6\sqrt{2}$ D) $2\sqrt{21}$ E) 10

46

ABCD dikdörtgen

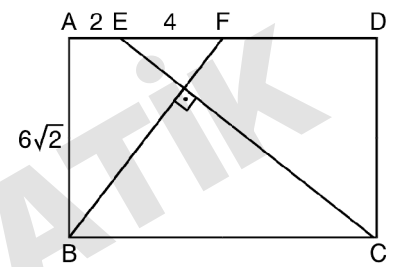
$$[BF] \perp [CE]$$

$$|AE| = 2 \text{ cm}$$

$$|EF| = 4 \text{ cm}$$

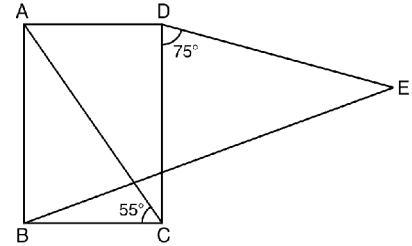
$$|AB| = 6\sqrt{2} \text{ cm}$$

olduğuna göre,
|FD| kaç cm dir?



- A) 8 B) $6\sqrt{2}$ C) $3\sqrt{5}$ D) $2\sqrt{10}$ E) 6

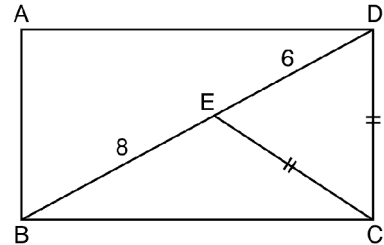
47



ABCD dikdörtgen, $|AC| = |DE|$, $m(\widehat{ACB}) = 55^\circ$
 $m(\widehat{EDC}) = 75^\circ$ olduğuna göre,
 $m(\widehat{BED})$ kaç derecedir?

- A) 25 B) 35 C) 40 D) 45 E) 55

48



ABCD dikdörtgen, [BD] köşegen, $|BE| = 8 \text{ cm}$
 $|ED| = 6 \text{ cm}$ olduğuna göre, $|CE| = |CD|$ kaç cm dir?

- A) $\sqrt{21}$ B) 5 C) 6 D) $\sqrt{42}$ E) $4\sqrt{3}$

DİKDÖRTGEN

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49 ABCD dikdörtgen

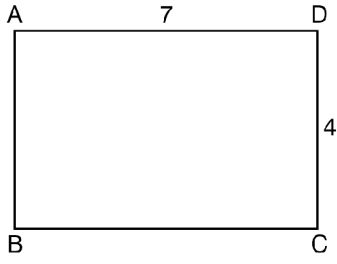
$$|AD| = 7 \text{ cm}$$

$$|DC| = 4 \text{ cm}$$

olduğuna göre,

Alan(ABCD)

kaç cm^2 dir?



- A) 32 B) 30 C) 28 D) 26 E) 24

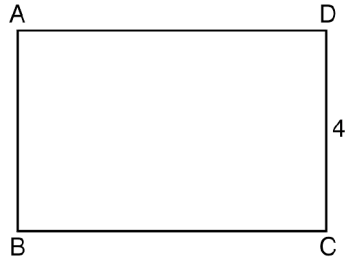
50 ABCD dikdörtgen

$$|DC| = 4 \text{ cm}$$

$$\text{Alan}(\text{ABCD}) = 26 \text{ cm}^2$$

olduğuna göre,

$|BC|$ kaç cm dir?



- A) 8 B) $\frac{15}{2}$ C) 7 D) $\frac{13}{2}$ E) 6

51 ABCD dikdörtgen

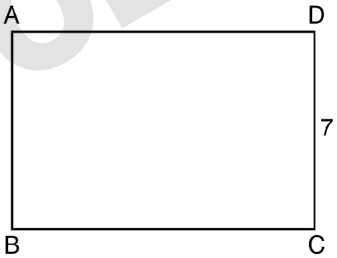
$$|AD| = 2|AB| - 3$$

$$|DC| = 7 \text{ cm}$$

olduğuna göre,

Alan(ABCD)

kaç cm^2 dir?

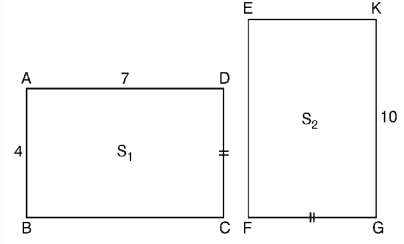


- A) 84 B) 77 C) 70 D) 63 E) 56

52 Uzun kenarı kısa kenarının 2 katı olan bir dikdörtgenin çevresi 36 cm olduğuna göre, alanı kaç cm^2 dir?

- A) 60 B) 63 C) 65 D) 70 E) 72

53



ABCD ve EFGK dikdörtgenlerinin alanları S_1 ve S_2 dir.

$$|DC| = |FG|, |AB| = 4 \text{ cm}, |AD| = 7 \text{ cm}, |KG| = 10 \text{ cm}$$

olduğuna göre, $S_1 + S_2$ toplamı kaç cm^2 dir?

- A) 68 B) 65 C) 64 D) 60 E) 56

54 ABCD dikdörtgen

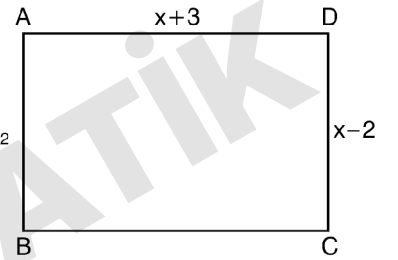
$$|AD| = (x+3) \text{ cm}$$

$$|DC| = (x-2) \text{ cm}$$

$$\text{Alan}(\text{ABCD}) = 50 \text{ cm}^2$$

olduğuna göre,

x kaçtır?



- A) 6 B) $\frac{13}{2}$ C) 7 D) $\frac{15}{2}$ E) 8

55 ABCD dikdörtgen

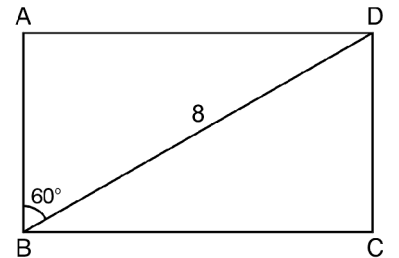
$$m(\widehat{ABD}) = 60^\circ$$

$$|BD| = 8 \text{ cm}$$

olduğuna göre,

Alan(ABCD)

kaç cm^2 dir?



- A) $10\sqrt{3}$ B) $12\sqrt{3}$ C) $15\sqrt{3}$ D) $16\sqrt{3}$ E) $20\sqrt{3}$

56 ABCD dikdörtgen

$$m(\widehat{BFE}) = 135^\circ$$

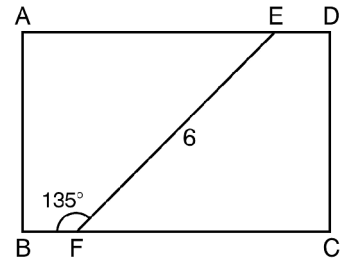
$$|EF| = 6 \text{ cm}$$

$$|AD| = 9 \text{ cm}$$

olduğuna göre,

Alan(ABCD)

kaç cm^2 dir?



- A) $24\sqrt{2}$ B) $27\sqrt{2}$ C) $30\sqrt{2}$ D) $32\sqrt{2}$ E) $36\sqrt{2}$

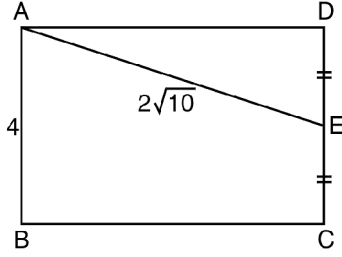
DİKDÖRTGEN

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- 57 Uzun kenarı kısa kenarının 2 katından 3 fazla olan dikdörtgenin alanı 90 cm^2 olduğuna göre, çevresi kaç cm dir?

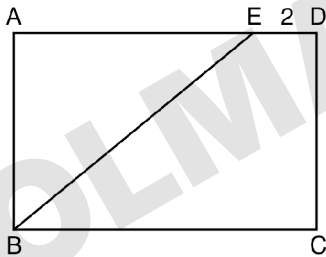
A) 32 B) 36 C) 38 D) 40 E) 42

- 58 ABCD dikdörtgen
 $|DE| = |EC|$
 $|AB| = 4 \text{ cm}$
 $|AE| = 2\sqrt{10} \text{ cm}$
 olduğuna göre,
 Alan(ABCD)
 kaç cm^2 dir?



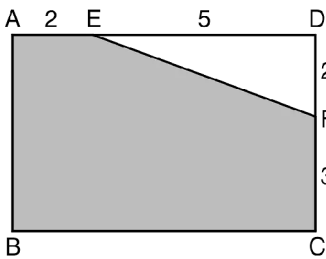
A) 24 B) 27 C) 30 D) 32 E) 36

- 59 ABCD dikdörtgen
 $|BC| = |DC| + 2$
 $|ED| = 2 \text{ cm}$
 $\text{Alan}(AEB) = 8 \text{ cm}^2$
 olduğuna göre,
 Alan(ABCD)
 kaç cm^2 dir?



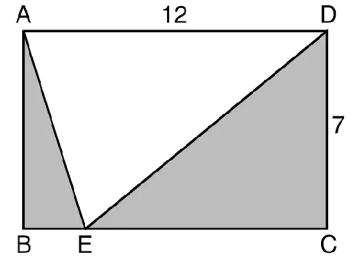
A) 36 B) 32 C) 30 D) 28 E) 24

- 60 ABCD dikdörtgen
 $|AE| = |DF| = 2 \text{ cm}$
 $|FC| = 3 \text{ cm}$
 $|DE| = 5 \text{ cm}$
 olduğuna göre,
 taralı bölgenin
 alanı kaç cm^2 dir?



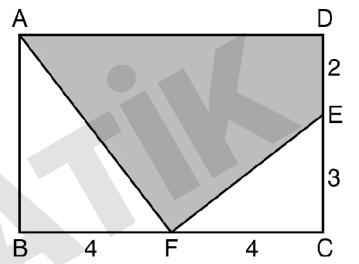
A) 25 B) 28 C) 30 D) 32 E) 35

- 61 ABCD dikdörtgen
 $|AD| = 12 \text{ cm}$
 $|DC| = 7 \text{ cm}$
 olduğuna göre,
 taralı bölgelerin
 alanları toplamı
 kaç cm^2 dir?



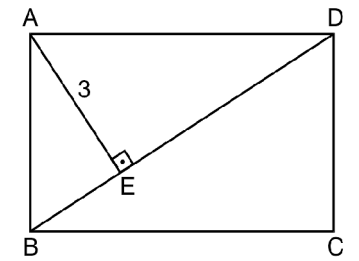
A) 40 B) 42 C) 45 D) 48 E) 50

- 62 ABCD dikdörtgen
 $|BF| = |FC| = 4 \text{ cm}$
 $|DE| = 2 \text{ cm}$
 $|EC| = 3 \text{ cm}$
 olduğuna göre,
 taralı bölgenin
 alanı kaç cm^2 dir?



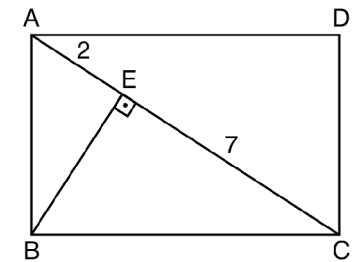
A) 25 B) 24 C) 23 D) 21 E) 20

- 63 ABCD dikdörtgen
 $|AE| \perp |BD|$
 $|AE| = 3 \text{ cm}$
 $|BD| = 7 \text{ cm}$
 olduğuna göre,
 Alan(ABCD)
 kaç cm^2 dir?



A) 21 B) 28 C) 36 D) 42 E) 45

- 64 ABCD dikdörtgen
 $|BE| \perp |AC|$
 $|AE| = 2 \text{ cm}$
 $|EC| = 7 \text{ cm}$
 olduğuna göre,
 Alan(ABCD)
 kaç cm^2 dir?

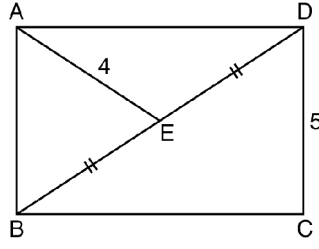


A) $9\sqrt{14}$ B) $7\sqrt{14}$ C) $9\sqrt{7}$ D) $8\sqrt{7}$ E) $6\sqrt{14}$

DİKDÖRTGEN

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- 65 ABCD dikdörtgen
[BD] köşegen
 $|BE| = |DE|$
 $|AE| = 4$ cm
 $|DC| = 5$ cm
olduğuna göre,
Alan(ABCD)
kaç cm^2 dir?

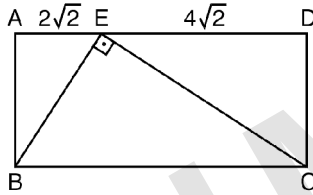


- A) $5\sqrt{39}$ B) $4\sqrt{39}$ C) $6\sqrt{13}$ D) $4\sqrt{13}$ E) $8\sqrt{3}$

- 66 Alanı 32 cm^2 , köşegen uzunluğu $4\sqrt{5}$ cm olan bir dikdörtgenin çevresi kaç cm dir?

- A) 30 B) 28 C) 25 D) 24 E) 20

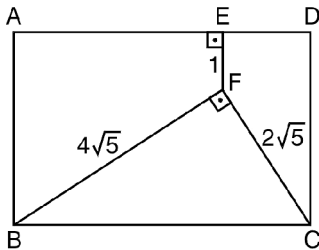
67



ABCD dikdörtgen, $[BE] \perp [EC]$, $|AE| = 2\sqrt{2}$ cm
 $|DE| = 4\sqrt{2}$ cm olduğuna göre, Alan(ABCD)
kaç cm^2 dir?

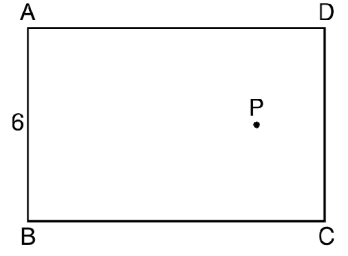
- A) $32\sqrt{2}$ B) $28\sqrt{2}$ C) $16\sqrt{3}$ D) $24\sqrt{2}$ E) $12\sqrt{3}$

- 68 ABCD dikdörtgen
 $[EF] \perp [AD]$
 $[BF] \perp [CF]$
 $|EF| = 1$ cm
 $|BF| = 4\sqrt{5}$ cm
 $|CF| = 2\sqrt{5}$ cm
olduğuna göre,
Alan(ABCD) kaç cm^2 dir?



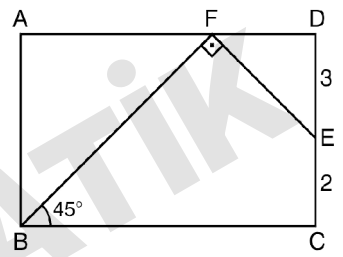
- A) 45 B) 48 C) 50 D) 52 E) 60

- 69 ABCD dikdörtgeninin
içinde bulunan P
noktasının [AB] ye
uzaklığı 10 cm
[DC] ye uzaklığı 3 cm
 $|AB| = 6$ cm
olduğuna göre,
Alan(ABCD) kaç cm^2 dir?



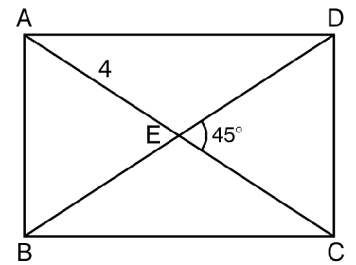
- A) 91 B) 78 C) 75 D) 72 E) 67

- 70 ABCD dikdörtgen
 $[BF] \perp [EF]$
 $m(\widehat{FBC}) = 45^\circ$
 $|DE| = 3$ cm
 $|EC| = 2$ cm
olduğuna göre,
Alan(ABCD)
kaç cm^2 dir?



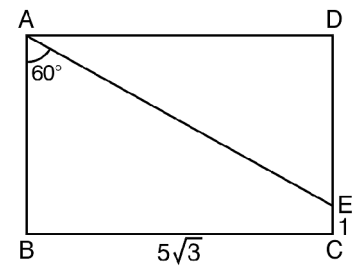
- A) 50 B) 48 C) 45 D) 42 E) 40

- 71 ABCD dikdörtgen
 $[AC] \cap [BD] = \{E\}$
 $m(\widehat{DEC}) = 45^\circ$
 $|AE| = 4$ cm
olduğuna göre,
Alan(ABCD)
kaç cm^2 dir?



- A) $15\sqrt{2}$ B) $16\sqrt{2}$ C) $18\sqrt{2}$ D) $20\sqrt{2}$ E) $24\sqrt{2}$

- 72 ABCD dikdörtgen
 $m(\widehat{BAE}) = 60^\circ$
 $|BC| = 5\sqrt{3}$ cm
 $|EC| = 1$ cm
olduğuna göre,
Alan(ABCD)
kaç cm^2 dir?

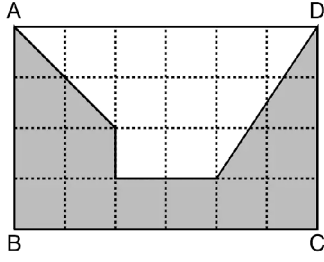


- A) $30\sqrt{3}$ B) $32\sqrt{3}$ C) $35\sqrt{3}$ D) $40\sqrt{3}$ E) $45\sqrt{3}$

DİKDÖRTGEN

11.SINIF · MATEMATİK

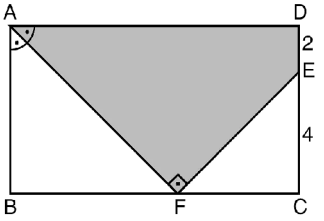
73



Birim karelere bölünmüş ABCD dikdörtgeninde taralı bölgelerin alanları toplamı kaç br^2 dir?

- A) 11 B) 12 C) 13 D) 14 E) 15

74

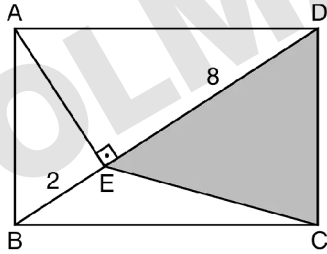


ABCD dikdörtgen, $[AF] \perp [EF]$, $m(\widehat{BAF}) = m(\widehat{FAD})$
 $|EC| = 4$ cm, $|ED| = 2$ cm olduğuna göre,
 Alan(ADEF) kaç cm^2 dir?

- A) 46 B) 42 C) 40 D) 35 E) 34

75

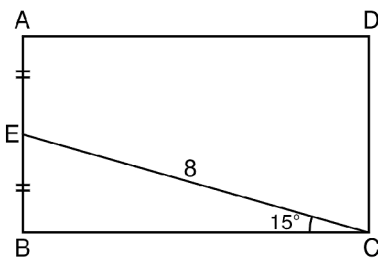
ABCD dikdörtgen
 $[AE] \perp [BD]$
 $|BE| = 2$ cm
 $|DE| = 8$ cm
 olduğuna göre,
 Alan(DEC)
 kaç cm^2 dir?



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

76

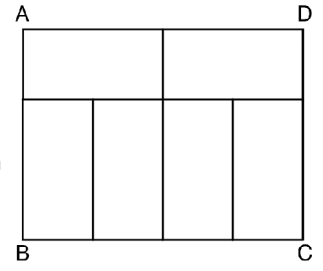
ABCD dikdörtgen
 $|AE| = |BE|$
 $m(\widehat{BCE}) = 15^\circ$
 $|EC| = 8$ cm
 olduğuna göre,
 Alan(ABCD)
 kaç cm^2 dir?



- A) 27 B) 28 C) 30 D) 32 E) 36

77

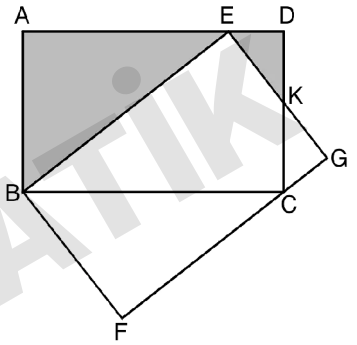
Şekilde ABCD dikdörtgeni 6 eş dikdörtgene ayrılmıştır. ABCD dikdörtgeninin çevresi $14\sqrt{2}$ cm olduğuna göre, Alan(ABCD) kaç cm^2 dir?



- A) 22 B) 24 C) 26 D) 28 E) 30

78

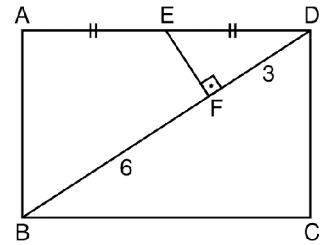
ABCD ve BEGF eş dikdörtgenlerdir. Alan(KCG) = 3 cm^2
 Alan(BFC) = 17 cm^2
 olduğuna göre, taralı bölgelerin alanları toplamı kaç cm^2 dir?



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

79

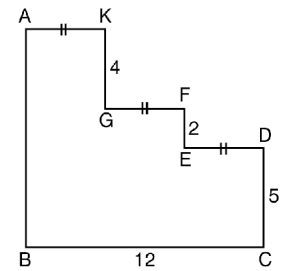
ABCD dikdörtgen
 $[EF] \perp [BD]$
 $|AE| = |DE|$
 $|BF| = 6$ cm
 $|FD| = 3$ cm
 olduğuna göre, Alan(ABCD) kaç cm^2 dir?



- A) $27\sqrt{2}$ B) $24\sqrt{2}$ C) $21\sqrt{2}$ D) $18\sqrt{2}$ E) $15\sqrt{2}$

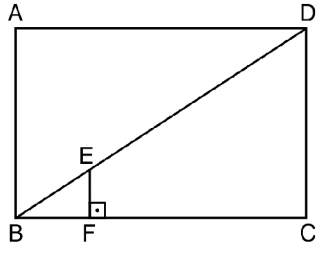
80

Yandaki şekilde tüm köşeler 90° dir. $|AK| = |FG| = |DE|$
 $|KG| = 4$ cm
 $|EF| = 2$ cm
 $|DC| = 5$ cm
 $|BC| = 12$ cm
 olduğuna göre, şeklin tüm alanı kaç cm^2 dir?



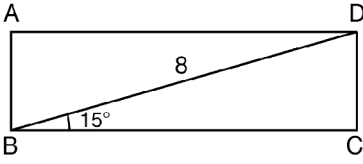
- A) 98 B) 92 C) 84 D) 64 E) 46

- 81** ABCD dikdörtgen
[BD] köşegen
[EF] ⊥ [BC]
|ED| = 4|BE|
Alan(BEF) = 3 cm²
olduğuna göre,
Alan(ABCD)
kaç cm² dir?



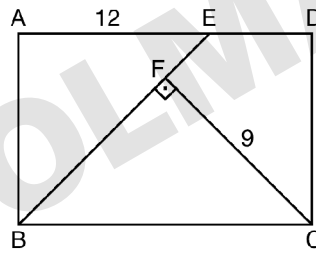
- A) 180 B) 170 C) 160 D) 150 E) 140

- 82** ABCD dikdörtgen, $m(\widehat{CBD}) = 15^\circ$, |BD| = 8 cm
olduğuna göre, Alan(ABCD) kaç cm² dir?



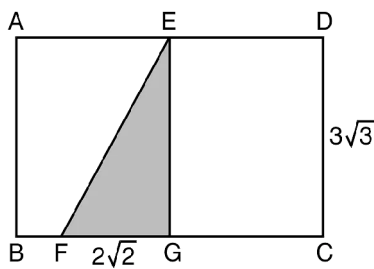
- A) 16 B) 18 C) 20 D) 24 E) 28

- 83** ABCD dikdörtgen
[CF] ⊥ [BE]
|BE| = |BC|
|CF| = 9 cm
|AE| = 12 cm
olduğuna göre,
Alan(ABCD)
kaç cm² dir?



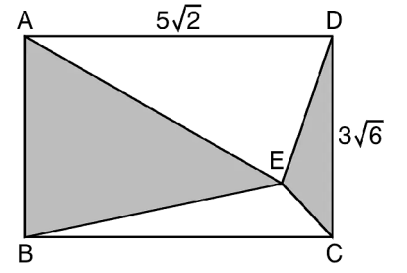
- A) 108 B) 130 C) 135 D) 144 E) 150

- 84** ABCD dikdörtgen
|FG| = $2\sqrt{2}$ cm
|DC| = $3\sqrt{3}$ cm
olduğuna göre,
Alan(EFG)
kaç cm² dir?



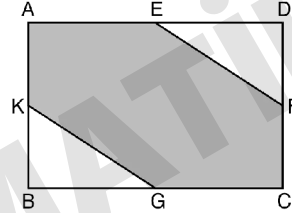
- A) $4\sqrt{6}$ B) $6\sqrt{2}$ C) $3\sqrt{7}$ D) $2\sqrt{15}$ E) $3\sqrt{6}$

- 85** ABCD dikdörtgen
|DC| = $3\sqrt{6}$ cm
|AD| = $5\sqrt{2}$ cm
olduğuna göre,
taralı bölgelerin
alanları toplamı
kaç cm² dir?



- A) $20\sqrt{3}$ B) $18\sqrt{3}$ C) $16\sqrt{3}$ D) $15\sqrt{3}$ E) $14\sqrt{3}$

86



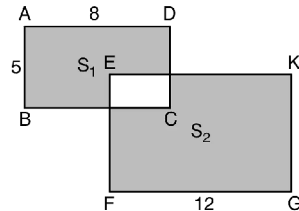
ABCD dikdörtgen E, F, G, K üzerinde bulundukları kenarların orta noktaları, Alan(ABCD) = 48 cm²
olduğuna göre, taralı bölgenin alanı kaç cm² dir?

- A) 40 B) 36 C) 32 D) 28 E) 24

- 87** Komşu iki kenarının kareleri toplamı 34 cm² çevresi 16 cm olan bir dikdörtgenin alanı kaç cm² dir?

- A) 15 B) 18 C) 20 D) 24 E) 30

88



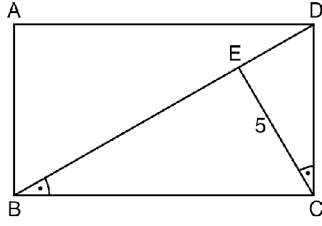
ABCD ve EFGK dikdörtgen, |AB| = 5 cm
|AD| = |EF| = 8 cm, |FG| = 12 cm taralı bölgelerin alanları S₁ ve S₂ olduğuna göre, S₂ - S₁ farkı kaç cm² dir?

- A) 45 B) 48 C) 52 D) 56 E) 60

DİKDÖRTGEN

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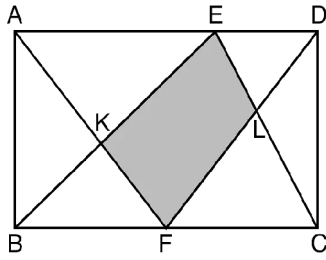


ABCD dikdörtgen, $[BD]$ köşegen, $m(\widehat{ECD}) = m(\widehat{DBC})$
 $|EC| = 5$ cm, $|DB| = 12$ cm olduğuna göre,
Alan(ABCD) kaç cm^2 dir?

- A) 45 B) 48 C) 50 D) 56 E) 60

90

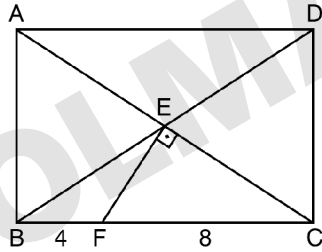
ABCD dikdörtgen
 AFD ve BEC üçgen
 $\text{Alan}(ABK) = 7 \text{ cm}^2$
 $\text{Alan}(CDL) = 4 \text{ cm}^2$
 olduğuna göre,
 taralı bölgenin
 alanı kaç cm^2 dir?



- A) 9 B) 10 C) 11 D) 12 E) 13

91

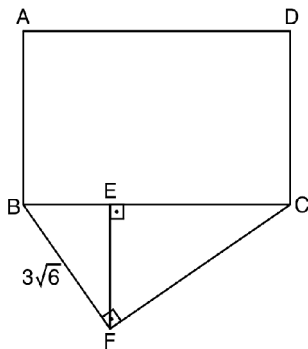
ABCD dikdörtgen
 $[AC] \cap [BD] = \{E\}$
 $[EF] \perp [EC]$
 $|BF| = 4$ cm
 $|FC| = 8$ cm
 olduğuna göre,
Alan(ABCD)
 kaç cm^2 dir?



- A) $12\sqrt{3}$ B) $18\sqrt{3}$ C) $24\sqrt{3}$ D) $36\sqrt{3}$ E) $48\sqrt{3}$

92

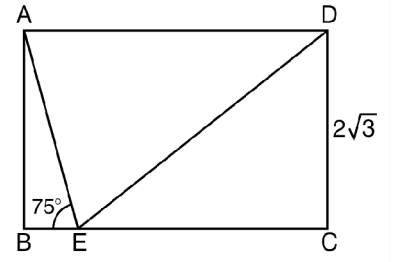
ABCD dikdörtgen
 $[BF] \perp [FC]$
 $[FE] \perp [BC]$
 $|AB| = 2|BE|$
 $|BF| = 3\sqrt{6}$ cm
 olduğuna göre,
Alan(ABCD)
 kaç cm^2 dir?



- A) 54 B) 60 C) 72 D) 90 E) 108

93

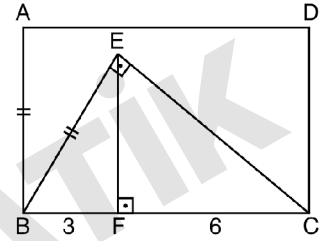
ABCD dikdörtgen
 $|DE| = |BC|$
 $m(\widehat{AEB}) = 75^\circ$
 $|DC| = 2\sqrt{3}$ cm
 olduğuna göre,
Alan(ABCD)
 kaç cm^2 dir?



- A) 12 B) 16 C) 20 D) 24 E) 28

94

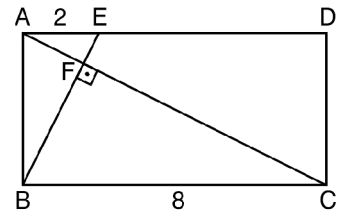
ABCD dikdörtgen
 $[BE] \perp [EC]$
 $[EF] \perp [BC]$
 $|AB| = |BE|$
 $|BF| = 3$ cm
 $|FC| = 6$ cm
 olduğuna göre,
Alan(ABCD) kaç cm^2 dir?



- A) $21\sqrt{3}$ B) $24\sqrt{3}$ C) $27\sqrt{3}$ D) $30\sqrt{3}$ E) $36\sqrt{3}$

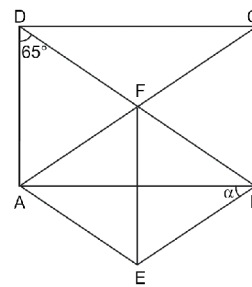
95

ABCD dikdörtgen
 $[AC] \perp [BE]$
 $|AE| = 2$ cm
 $|BC| = 8$ cm
 olduğuna göre,
Alan(ABCD)
 kaç cm^2 dir?



- A) 27 B) 28 C) 30 D) 32 E) 36

96



ABCD bir dikdörtgen
 AEF eşkenar üçgen
 $m(\widehat{ADB}) = 65^\circ$

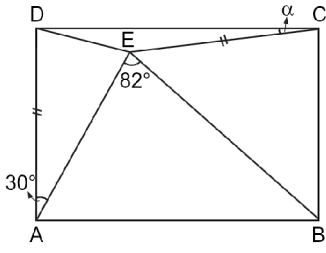
Yukarıdaki verilere göre, $m(\widehat{ABE}) = \alpha$ kaç derecedir?

- A) 20 B) 25 C) 30 D) 35 E) 40

DİKDÖRTGEN

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ABCD bir dikdörtgen

$$|AD| = |EC|$$

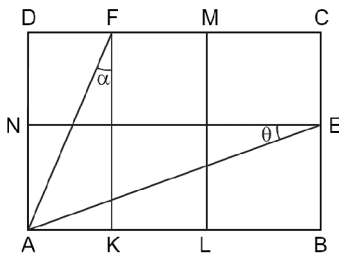
$$m(\widehat{DAE}) = 30^\circ$$

$$m(\widehat{AEB}) = 82^\circ$$

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

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

98



ABCD dikdörtgen

$$m(\widehat{AFK}) = \alpha$$

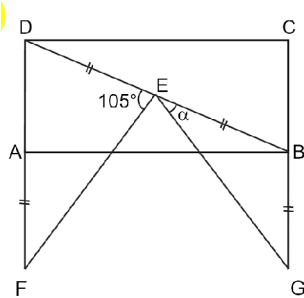
$$m(\widehat{AEN}) = \theta$$

Düzlemsel şekil birim karelerden oluşmaktadır.

Yukarıdaki verilere göre, $\alpha + \theta$ toplamı kaç derecedir?

- A) 20 B) 25 C) 30 D) 35 E) 45

99



ABCD bir dikdörtgen

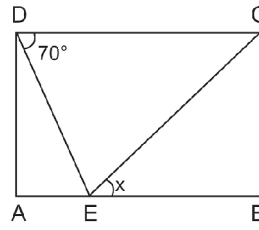
$$|DE| = |BE| = |AF| = |BG|$$

$$m(\widehat{DEF}) = 105^\circ$$

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

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

100



ABCD bir dikdörtgen

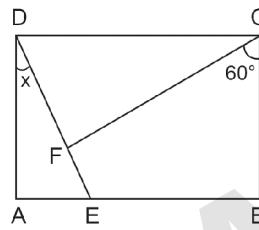
$$|AB| = |EC|$$

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

Yukarıdaki verilere göre, x kaç derecedir?

- A) 35 B) 40 C) 45 D) 50 E) 55

101



ABCD bir dikdörtgen

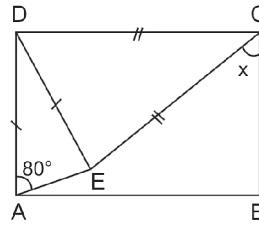
$$|FC| = |AB|$$

$$m(\widehat{FCB}) = 60^\circ$$

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

- A) 7,5 B) 15 C) 17,5 D) 20 E) 22,5

102



ABCD bir dikdörtgen

$$|DC| = |CE|$$

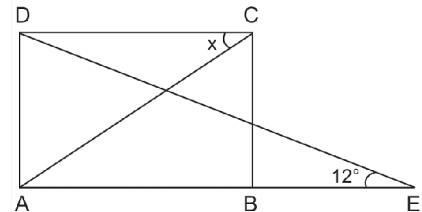
$$|AD| = |DE|$$

$$m(\widehat{DAE}) = 80^\circ$$

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

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

103



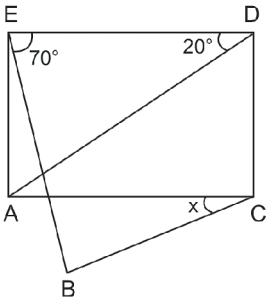
ABCD dikdörtgen, $|AC| = |BE|$, $m(\widehat{AED}) = 12^\circ$

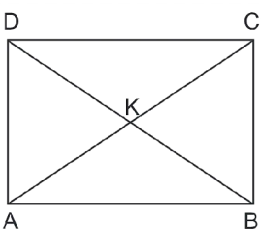
Yukarıdaki verilere göre, x kaç derecedir?

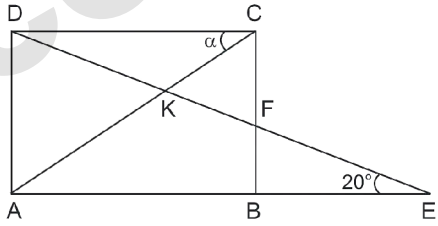
- A) 24 B) 36 C) 38 D) 40 E) 42

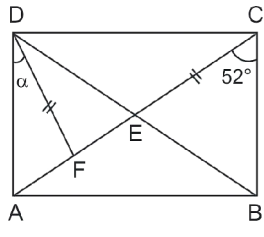
DİKDÖRTGEN

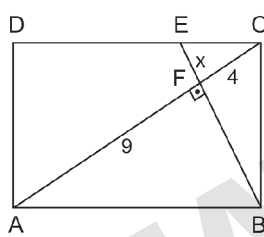
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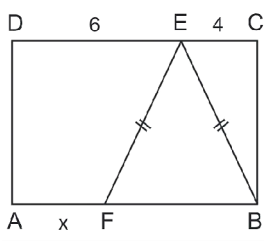
- 104  ACDE bir dikdörtgen
 $|EB| = |AD|$
 $m(\widehat{BED}) = 70^\circ$
 $m(\widehat{EDA}) = 20^\circ$
 $m(\widehat{ACB}) = x$
- Yukarıdaki verilere göre, x kaç derecedir?**
- A) 35 B) 40 C) 45 D) 50 E) 55

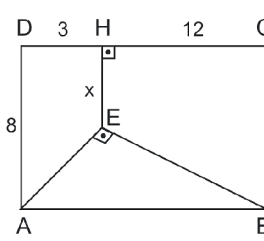
- 105  ABCD bir dikdörtgen
 $[AC]$ ve $[BD]$ köşegenler
 $|AK| = 3x$
 $|BK| = 5x - 6$
- Yukarıdaki verilere göre, dikdörtgenin köşegen uzunlukları toplamı kaç cm dir?**
- A) 45 B) 36 C) 32 D) 27 E) 24

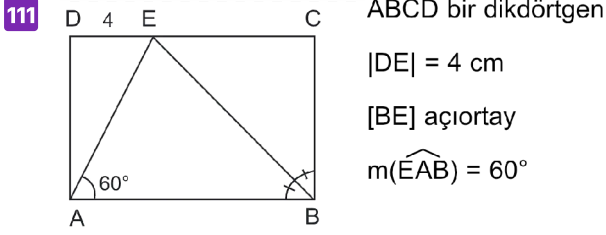
- 106  ABCD bir dikdörtgen
A, B ve E doğrusal
 $|AC| = |BE|$
 $m(\widehat{BEF}) = 20^\circ$
- Yukarıdaki verilere göre, $m(\widehat{ACD}) = \alpha$ kaç derecedir?**
- A) 25 B) 30 C) 40 D) 45 E) 50

- 107  ABCD dikdörtgen
 $[AC]$ ve $[BD]$ köşegen
 $|DF| = |EC|$
 $m(\widehat{ECB}) = 52^\circ$
- Yukarıdaki verilere göre, $m(\widehat{ADF}) = \alpha$ kaç derecedir?**
- A) 44 B) 36 C) 32 D) 28 E) 24

- 108  ABCD bir dikdörtgen
 $[AC] \perp [EB]$
 $|AF| = 9$ cm
 $|FC| = 4$ cm
- Yukarıdaki verilere göre, $|EF| = x$ kaç cm dir?**
- A) 2 B) $\frac{7}{3}$ C) $\frac{8}{3}$ D) 3 E) $\frac{10}{3}$

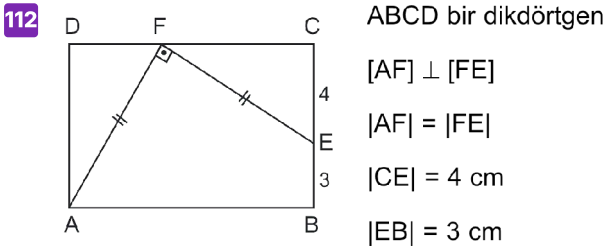
- 109  ABCD bir dikdörtgen
 $|EF| = |EB|$
 $|EC| = 4$ cm
 $|DE| = 6$ cm
- Yukarıdaki verilere göre, $|AF| = x$ kaç cm dir?**
- A) 1 B) $\sqrt{2}$ C) 2 D) $2\sqrt{2}$ E) 3

- 110  ABCD bir dikdörtgen
 $[EH] \perp [DC]$
 $m(\widehat{AEB}) = 90^\circ$
 $|DH| = 3$ cm
 $|HC| = 12$ cm
 $|AD| = 8$ cm
- Yukarıdaki verilere göre, $|EH| = x$ kaç cm dir?**
- A) $\frac{1}{2}$ B) $\frac{3}{2}$ C) 2 D) $\frac{5}{2}$ E) 3



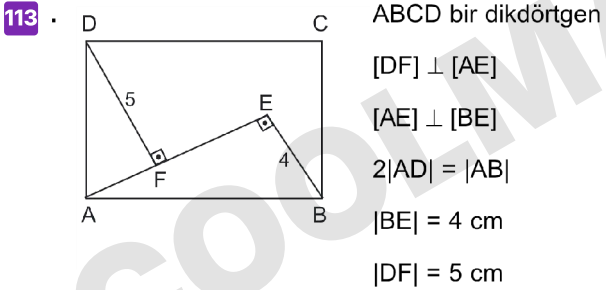
Yukarıdaki verilere göre, $|AB|$ kaç cm dir?

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



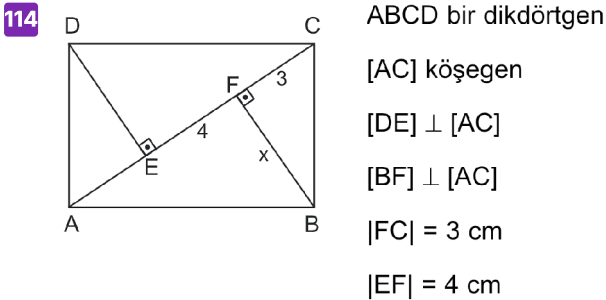
Yukarıdaki verilere göre, $|AB|$ kaç cm dir?

- A) 9 B) 11 C) 12 D) 14 E) 24



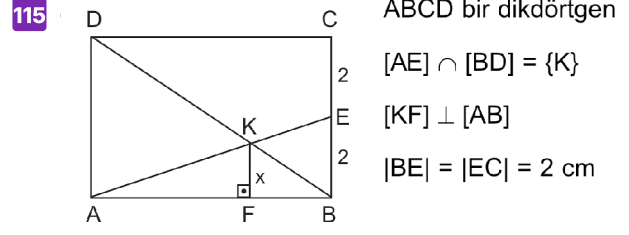
Yukarıdaki verilere göre, $|FE|$ kaç cm dir?

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



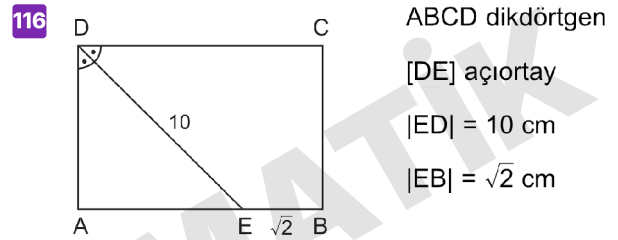
Yukarıdaki verilere göre, $|BF| = x$ kaç cm dir?

- A) $2\sqrt{2}$ B) $2\sqrt{3}$ C) 4 D) $2\sqrt{5}$ E) $\sqrt{21}$



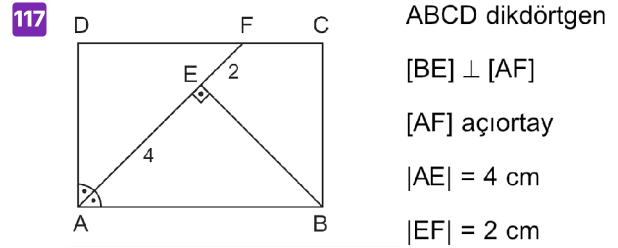
Yukarıdaki verilere göre, $|KF| = x$ kaç cm dir?

- A) $\frac{1}{2}$ B) $\frac{3}{2}$ C) $\frac{4}{3}$ D) $\frac{5}{4}$ E) $\frac{6}{5}$



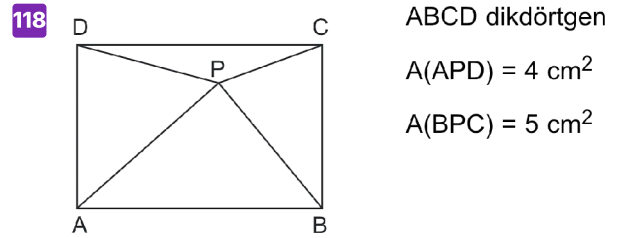
Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

- A) 50 B) 60 C) 70 D) 80 E) 90



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

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



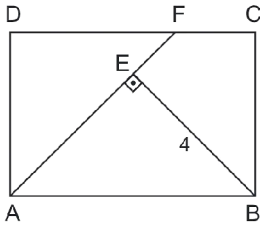
Yukarıdaki verilere göre, $A(ABCD)$ kaç cm^2 dir?

- A) 12 B) 14 C) 16 D) 18 E) 20

DİKDÖRTGEN

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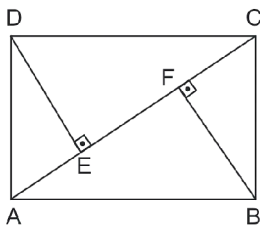


ABCD dikdörtgen
 $[BE] \perp [AF]$
 $A(ABCD) = 36 \text{ cm}^2$
 $|EB| = 4 \text{ cm}$

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

- A) 6 B) 7 C) 8 D) 9 E) 10

120

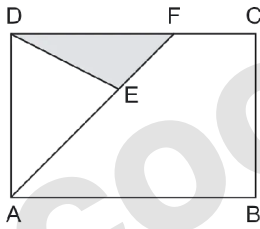


ABCD dikdörtgen
 $[DE] \perp [AC]$
 $[BF] \perp [AC]$
 $|EF| = 2|FC|$
 $|FC| = 2 \text{ cm}$

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

- A) $24\sqrt{3}$ B) 24 C) $8\sqrt{3}$ D) 16 E) $16\sqrt{3}$

121

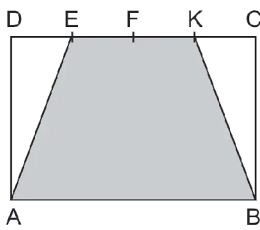


ABCD dikdörtgen
 $|DC| = 3|FC|$
 $|AE| = 2|EF|$
 $A(DEF) = 4 \text{ cm}^2$

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

- A) 36 B) 32 C) 30 D) 28 E) 24

122

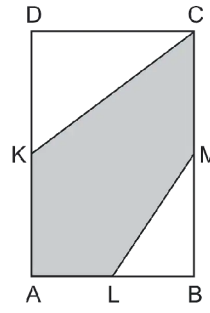


ABCD dikdörtgen
 $[DC]$ 4 eşit par-çaya bölünmüştür.
 $A(ABKE) = 27 \text{ cm}^2$

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

- A) 32 B) 33 C) 34 D) 35 E) 36

123

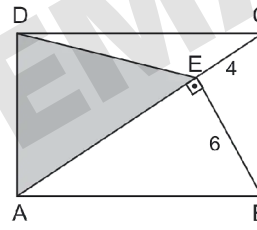


ABCD dikdörtgen
 K, L, M orta noktalar
 $A(ALMCK) = 45 \text{ cm}^2$

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

- A) 48 B) 56 C) 64 D) 72 E) 80

124

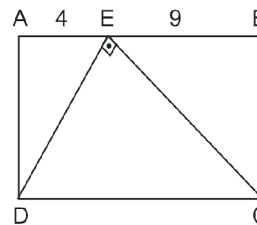


ABCD dikdörtgen
 $[BE] \perp [AC]$
 $|EC| = 4 \text{ cm}$
 $|BE| = 6 \text{ cm}$

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

- A) 18 B) 24 C) 27 D) 36 E) 54

125



ABCD bir dikdörtgen
 $[DE] \perp [EC]$
 $|AE| = 4 \text{ cm}$
 $|EB| = 9 \text{ cm}$

Verilenlere göre, ABCD dikdörtgeninin alanı kaç cm^2 dir?

- A) 78 B) 74 C) 72 D) 70 E) 68

CEVAP ANAHTARI

No	Cevap	No	Cevap	No	Cevap
1.	C	43.	A	85.	D
2.	C	44.	D	86.	B
3.	D	45.	C	87.	A
4.	A	46.	A	88.	D
5.	B	47.	B	89.	E
6.	E	48.	D	90.	C
7.	B	49.	C	91.	E
8.	D	50.	D	92.	E
9.	A	51.	B	93.	D
10.	E	52.	E	94.	C
11.	B	53.	A	95.	D
12.	C	54.	C	96.	C
13.	A	55.	C	97.	D
14.	B	56.	D	98.	E
15.	E	57.	B	99.	B
16.	D	58.	A	100.	B
17.	B	59.	E	101.	B
18.	A	60.	C	102.	E
19.	E	61.	B	103.	A
20.	A	62.	B	104.	C
21.	C	63.	A	105.	B
22.	C	64.	A	106.	C
23.	D	65.	A	107.	E
24.	A	66.	D	108.	C
25.	E	67.	D	109.	C
26.	D	68.	C	110.	C
27.	E	69.	B	111.	E
28.	D	70.	E	112.	B
29.	D	71.	B	113.	D
30.	B	72.	A	114.	E
31.	E	73.	C	115.	C
32.	E	74.	E	116.	B
33.	B	75.	C	117.	A
34.	B	76.	D	118.	D
35.	A	77.	B	119.	D
36.	C	78.	D	120.	E
37.	D	79.	A	121.	A
38.	B	80.	B	122.	E
39.	E	81.	D	123.	D
40.	D	82.	A	124.	C
41.	E	83.	C	125.	A
42.	A	84.	E		