KARE

11.SINIF · MATEMATİK

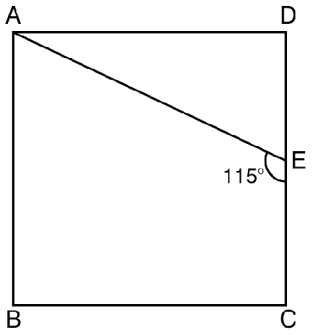
1 ABCD kare

$m(\widehat{AEC}) = 115°$

olduğuna göre,

$m(\widehat{DAE})$

kaç derecedir?



A) 5 B) 10 C) 15 D) 20 E) 25

2 ABCD kare

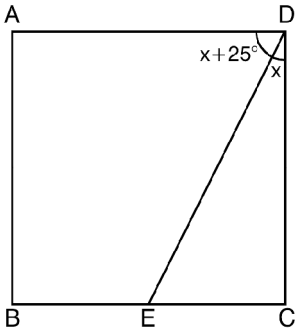
$m(\widehat{EDC}) = x$

$m(\widehat{ADE}) = x + 25°$

olduğuna göre,

$m(\widehat{BED})$

kaç derecedir?



A) 100 B) 105 C) 112,5 D) 115 E) 122,5

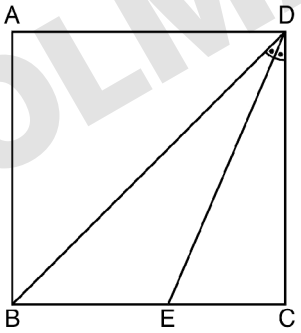
3 ABCD kare

$m(\widehat{BDE}) = m(\widehat{EDC})$

olduğuna göre,

$m(\widehat{DEB})$

kaç derecedir?



A) 112,5 B) 115 C) 120 D) 122,5 E) 125

4 ABCD kare

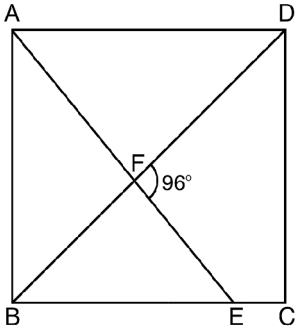
$[AE] \cap [BD] = \{F\}$

$m(\widehat{DFE}) = 96°$

olduğuna göre,

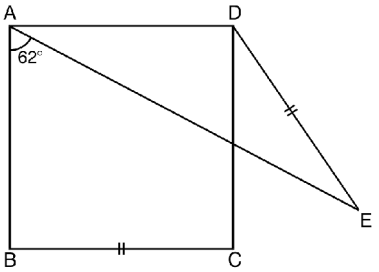
$m(\widehat{BAE})$

kaç derecedir?



A) 37,5 B) 39 C) 41 D) 42 E) 42,5

5



ABCD kare, $|DE| = |BC|$, $m(\widehat{BAE}) = 62°$

olduğuna göre, $m(\widehat{CDE})$ kaç derecedir?

A) 28 B) 30 C) 32 D) 34 E) 35

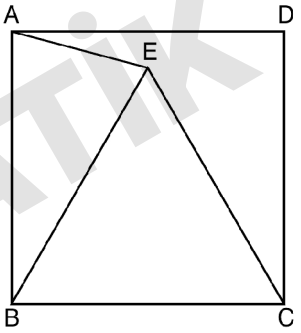
6 ABCD kare

BEC eşkenar üçgen

olduğuna göre,

$m(\widehat{EAD})$

kaç derecedir?



A) 27,5 B) 25 C) 22,5 D) 20 E) 15

7 ABCD ve BEFG kare

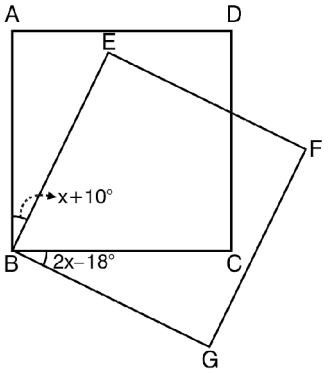
$m(\widehat{ABE}) = x + 10°$

$m(\widehat{CBG}) = 2x - 18°$

olduğuna göre,

$m(\widehat{EBC})$

kaç derecedir?



A) 52 B) 55 C) 62 D) 65 E) 70

8 ABCD kare

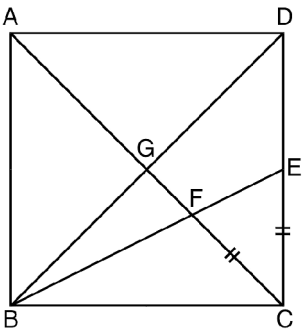
[AC] köşegen

$|CE| = |CF|$

olduğuna göre,

$m(\widehat{DBE})$

kaç derecedir?



A) 15 B) 17,5 C) 20 D) 22,5 E) 25

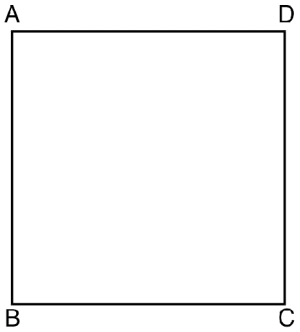
COOLMATEMATİK

9 ABCD kare

$|DC|+|BC|=15$ cm

olduğuna göre,

$|AB|$ kaç cm dir?



A) 12 B) 10 C) 9,5 D) 8 E) 7,5

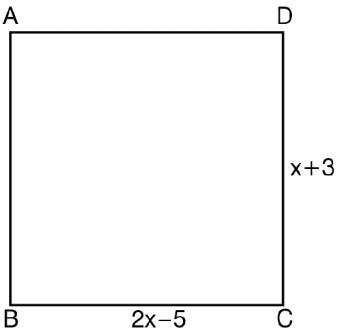
10 ABCD kare

$|BC|=(2x-5)$ cm

$|DC|=(x+3)$ cm

olduğuna göre,

x kaçtır?



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

11 ABCD kare

$|ED|=1$ cm

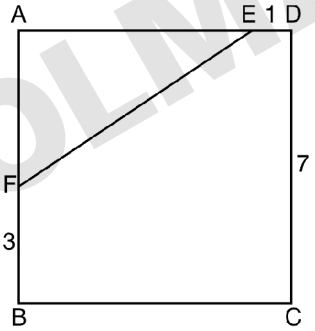
$|BF|=3$ cm

$|DC|=7$ cm

olduğuna göre,

$|AE|+|AF|$

toplamı kaç cm dir?



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

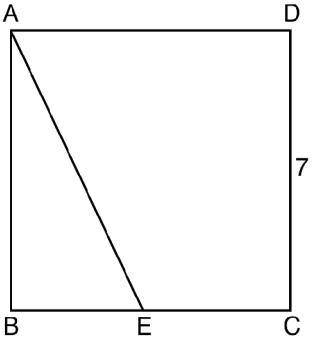
12 ABCD kare

$|EC|=|BE|+1$

$|DC|=7$ cm

olduğuna göre,

$|AE|$ kaç cm dir?



A) $3\sqrt{5}$ B) $5\sqrt{2}$ C) $2\sqrt{13}$ D) $\sqrt{58}$ E) $\sqrt{65}$

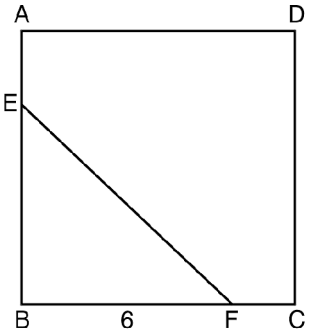
13 ABCD kare

$|AE|=|FC|+1$

$|BF|=6$ cm

olduğuna göre,

$|BE|$ kaç cm dir?



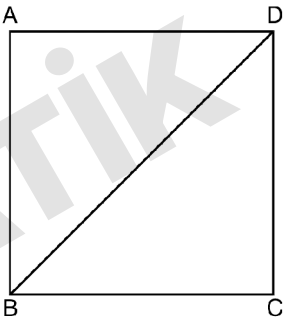
A) 4 B) 5 C) 6 D) 7 E) 8

14 ABCD karesinin

çevresi 16 cm

olduğuna göre,

$|BD|$ kaç cm dir?



A) $4\sqrt{2}$ B) 6 C) $7\sqrt{2}$ D) 8 E) $8\sqrt{2}$

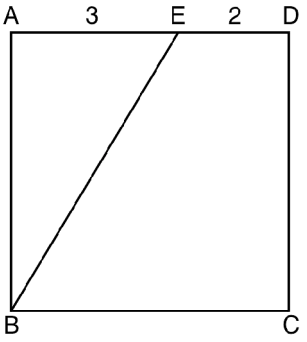
15 ABCD kare

$|AE|=3$ cm

$|ED|=2$ cm

olduğuna göre,

$|BE|$ kaç cm dir?



A) $\sqrt{29}$ B) $4\sqrt{2}$ C) $\sqrt{34}$ D) 6 E) $2\sqrt{10}$

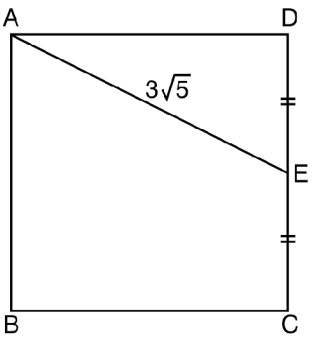
16 ABCD kare

$|DE|=|EC|$

$|AE|=3\sqrt{5}$ cm

olduğuna göre,

$|BC|$ kaç cm dir?



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

COOLMATEMATİK

17 ABCD kare

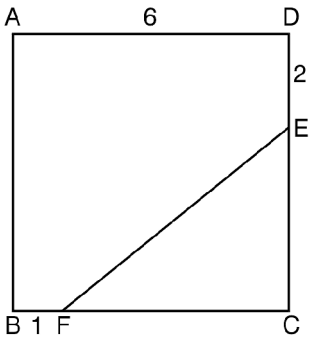
$|AD|=6$ cm

$|DE|=2$ cm

$|BF|=1$ cm

olduğuna göre,

$|EF|$ kaç cm dir?



A) 5 B) $2\sqrt{7}$ C) 6 D) $2\sqrt{10}$ E) $\sqrt{41}$

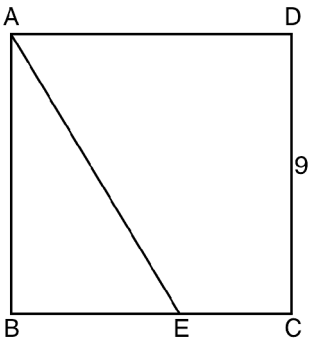
18 ABCD kare

$|BE|=|EC|+1$

$|DC|=9$ cm

olduğuna göre,

$|AE|$ kaç cm dir?



A) 10 B) 12 C) $4\sqrt{5}$ D) $\sqrt{106}$ E) 15

19 ABCD kare

$|AB|=8$ cm

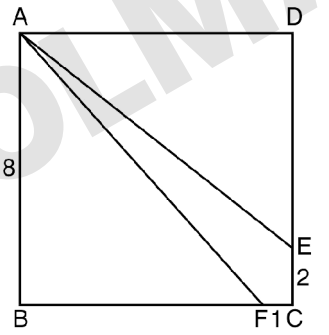
$|FC|=1$ cm

$|EC|=2$ cm

olduğuna göre,

$|AF|^2-|AE|^2$ farkı

kaç cm^2 dir?



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

20 ABCD kare

$|DE|=|EC|$

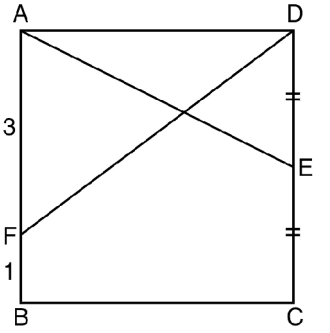
$|AF|=3$ cm

$|BF|=1$ cm

olduğuna göre,

$|AE|^2+|DF|^2$ toplamı

kaç cm^2 dir?



A) 40 B) 42 C) 45 D) 50 E) 60

21 ABCD kare

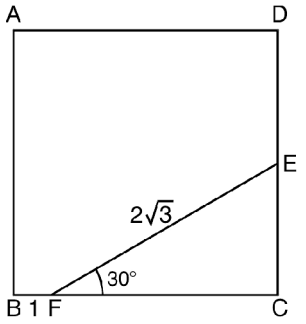
$m(\widehat{EFC})=30°$

$|BF|=1$ cm

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

olduğuna göre,

$|DE|$ kaç cm dir?



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

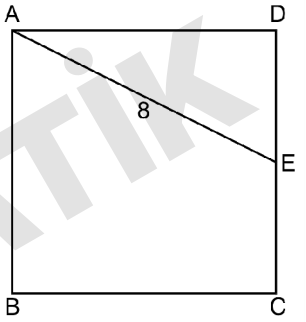
22 ABCD kare

$m(\widehat{BAE})=2m(\widehat{EAD})$

$|AE|=8$ cm

olduğuna göre,

$|EC|$ kaç cm dir?



A) $4(2-\sqrt{3})$ B) $4(\sqrt{3}-1)$ C) 4 D) $2(\sqrt{3}+1)$ E) $2(\sqrt{2}+2)$

23 ABCD kare

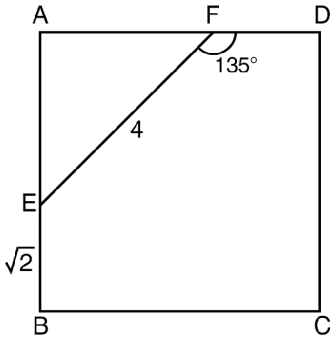
$m(\widehat{EFD})=135°$

$|EF|=4$ cm

$|BE|=\sqrt{2}$ cm

olduğuna göre,

$|DC|$ kaç cm dir?



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

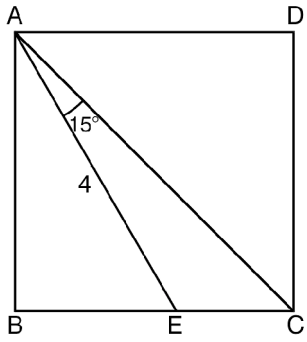
24 ABCD kare

$m(\widehat{EAC})=15°$

$|AE|=4$ cm

olduğuna göre,

$|AC|$ kaç cm dir?



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

COOLMATEMATİK

25 ABCD kare

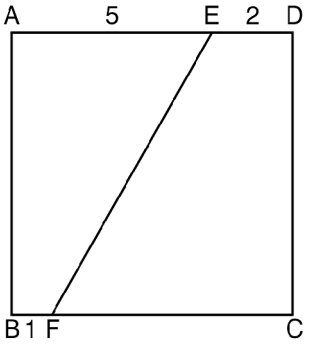
$|AE|=5$ cm

$|ED|=2$ cm

$|BF|=1$ cm

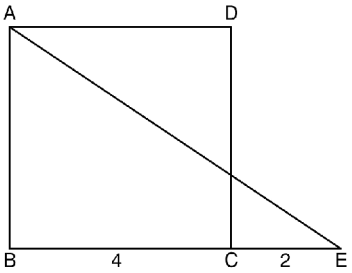
olduğuna göre,

$|EF|$ kaç cm dir?



A) $\sqrt{53}$ B) $2\sqrt{7}$ C) $\sqrt{58}$ D) $2\sqrt{15}$ E) $\sqrt{65}$

26



ABCD kare, B, C, E doğrusal, $|BC|=4$ cm

$|CE|=2$ cm **olduğuna göre, $|AE|$ kaç cm dir?**

A) $6\sqrt{2}$ B) $\sqrt{61}$ C) $2\sqrt{13}$ D) $5\sqrt{2}$ E) $3\sqrt{5}$

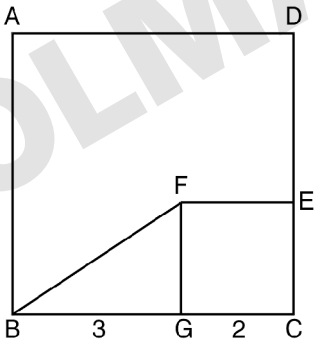
27 ABCD ve CEFG kare

$|BG|=3$ cm

$|GC|=2$ cm

olduğuna göre,

$|BF|$ kaç cm dir?



A) $2\sqrt{2}$ B) $\sqrt{10}$ C) $2\sqrt{3}$ D) $\sqrt{13}$ E) 4

28 ABCD kare

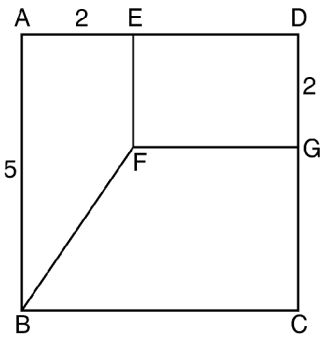
DEFG dikdörtgen

$|AE|=|DG|=2$ cm

$|AB|=5$ cm

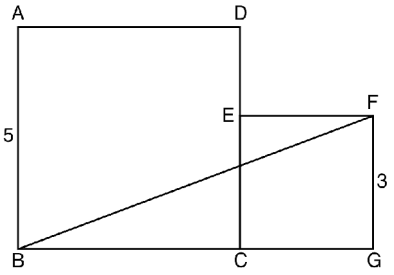
olduğuna göre,

$|BF|$ kaç cm dir?



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

29



ABCD ve CEFG kare, B, C, G doğrusal, $|AB|=5$ cm

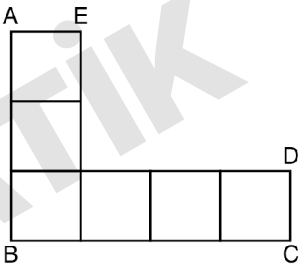
$|FG|=3$ cm **olduğuna göre, $|BF|$ kaç cm dir?**

A) $6\sqrt{2}$ B) $\sqrt{73}$ C) $5\sqrt{5}$ D) $4\sqrt{5}$ E) 9

30 . Yandaki şekil birim karelerden oluşmuştur.

Buna göre,

A ve D köşeleri arasındaki uzaklık kaç br dir?



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

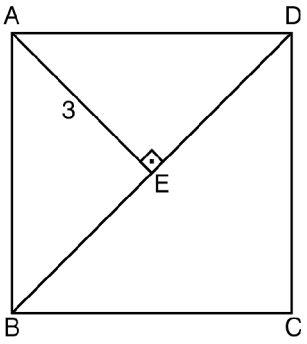
31 ABCD kare

$[AE]\perp[BD]$

$|AE|=3$ cm

olduğuna göre,

$|BD|$ kaç cm dir?



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

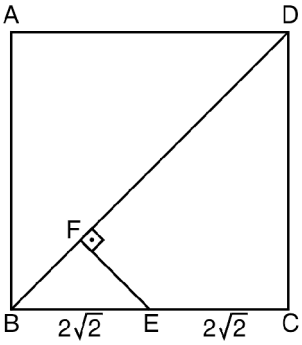
32 ABCD kare

$[EF]\perp[BD]$

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

olduğuna göre,

$|DF|$ kaç cm dir?



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

COOLMATEMATİK

33 ABCD kare

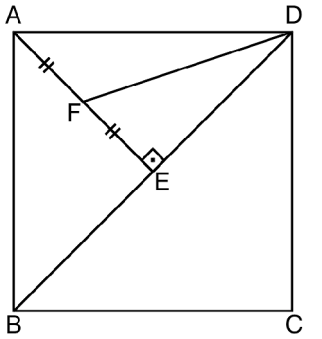
$|AE| \perp |BD|$

$|AF| = |FE|$

$|BD| = 4$ cm

olduğuna göre,

$|DF|$ kaç cm dir?



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

34 ABCD kare

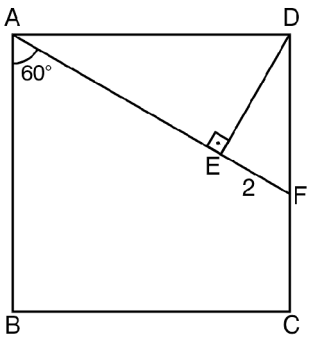
$|DE| \perp |AF|$

$m(\widehat{BAF}) = 60°$

$|EF| = 2$ cm

olduğuna göre,

$|AE|$ kaç cm dir?



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

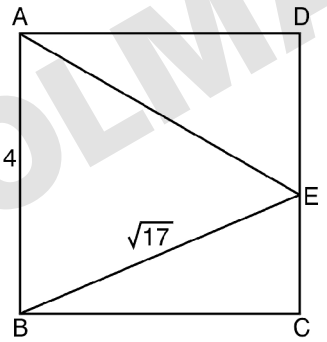
35 ABCD kare

$|AB| = 4$ cm

$|BE| = \sqrt{17}$ cm

olduğuna göre,

$|AE|$ kaç cm dir?



A) 6 B) $\sqrt{33}$ C) $4\sqrt{2}$ D) $2\sqrt{7}$ E) 5

36 ABCD kare

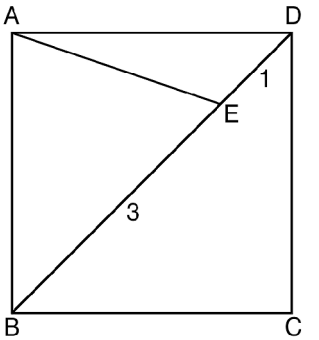
[BD] köşegen

$|BE| = 3$ cm

$|DE| = 1$ cm

olduğuna göre,

$|AE|$ kaç cm dir?



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

37 ABCD kare

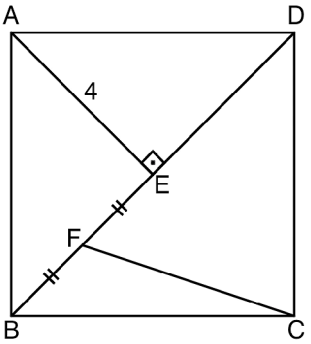
$|AE| \perp |BD|$

$|BF| = |FE|$

$|AE| = 4$ cm

olduğuna göre,

$|FC|$ kaç cm dir?



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

38 ABCD kare

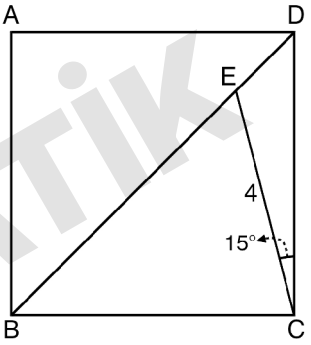
[BD] köşegen

$m(\widehat{ECD}) = 15°$

$|EC| = 4$ cm

olduğuna göre,

$|BC|$ kaç cm dir?



A) $\sqrt{30}$ B) $2\sqrt{7}$ C) 5 D) $2\sqrt{6}$ E) $2\sqrt{5}$

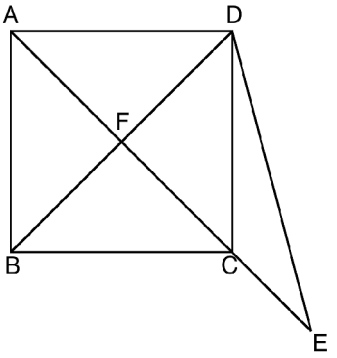
39 ABCD kare

$|BD| = |DE|$

olduğuna göre,

$m(\widehat{AED})$

kaç derecedir?



A) 15 B) 20 C) 22,5 D) 25 E) 30

40 ABCD kare

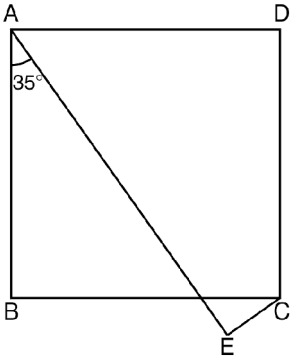
$m(\widehat{BAE}) = 35°$

$|AE| = \sqrt{2}\,|DC|$

olduğuna göre,

$m(\widehat{AEC})$

kaç derecedir?



A) 90 B) 85 C) 80 D) 75 E) 70

COOLMATEMATİK

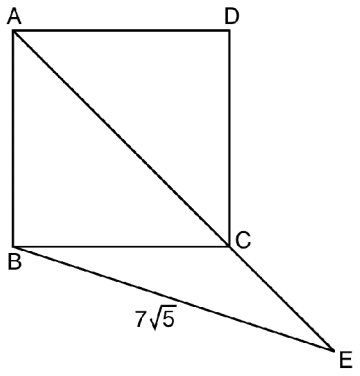
41 ABCD kare

$|AE| = 3|CE|$

$|BE| = 7\sqrt{5}$ cm

olduğuna göre,

$|AB|$ kaç cm dir?



A) 7 B) 8 C) $7\sqrt{2}$ D) $9\sqrt{2}$ E) 14

42 ABCD ve BEFG kare

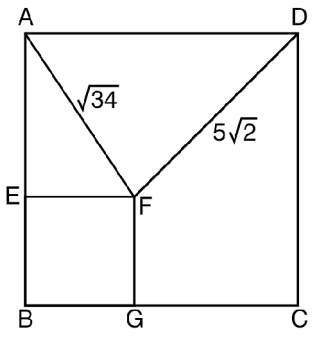
$|DF| = 5\sqrt{2}$ cm

$|AF| = \sqrt{34}$ cm

olduğuna göre,

ABCD karesinin

çevresi kaç cm dir?



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

43



Kenarları 1 m olan kare şeklindeki bir zemini 1 saatte fayansla döşeyebilen bir usta, aynı hızla çalışarak, bir kenarı 4 m olan kare şeklindeki bir zemini kaç saatte fayansla döşeyebilir?

A) 24 B) 16 C) 12 D) 8 E) 4

44 ABCD kare

$[BE] \perp [EF]$

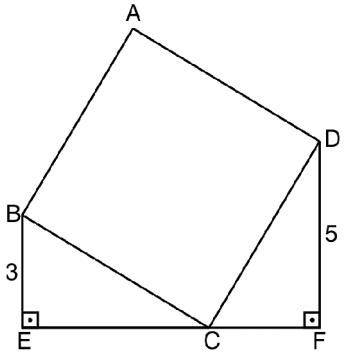
$[DF] \perp [EF]$

$|BE| = 3$ cm

$|DF| = 5$ cm

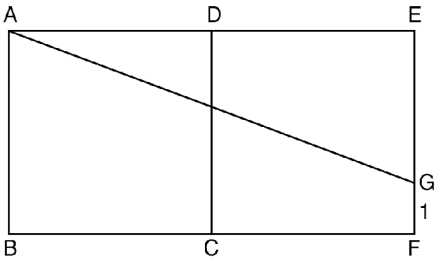
olduğuna göre,

$|EF|$ kaç cm dir?



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

45



ABCD ve CDEF kare, $|FG| = 1$ cm, $|BF| = 8$ cm

olduğuna göre, $|AG|$ kaç cm dir?

A) $\sqrt{73}$ B) $6\sqrt{2}$ C) $2\sqrt{17}$ D) $2\sqrt{15}$ E) $2\sqrt{14}$

46 ABCD kare

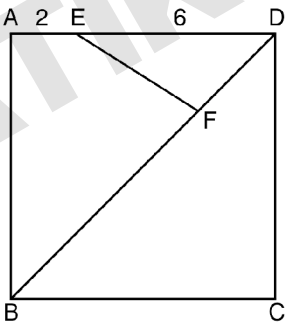
$\frac{|DF|}{|DB|} = \frac{1}{4}$

$|AE| = 2$ cm

$|DE| = 6$ cm

olduğuna göre,

$|EF|$ kaç cm dir?



A) $4\sqrt{2}$ B) $\sqrt{26}$ C) 5 D) $2\sqrt{5}$ E) $3\sqrt{2}$

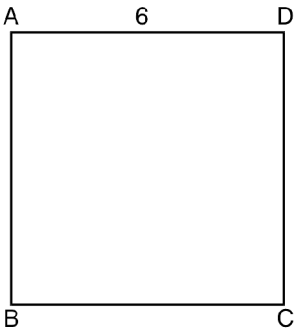
47 ABCD kare

$|AD| = 6$ cm

olduğuna göre,

Alan(ABCD)

kaç cm^2 dir?



A) 28 B) 32 C) 36 D) 40 E) 42

48 **Çevresi $4\sqrt{2}$ cm olan karenin alanı kaç cm^2 dir?**

A) 2 B) 4 C) 6 D) 8 E) 10

COOLMATEMATİK

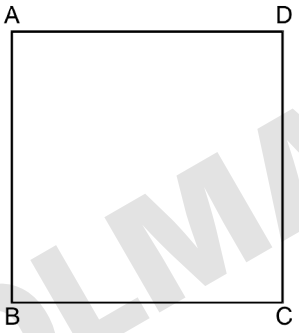
49 **Alanı 49 cm^2 olan karenin çevresi kaç cm dir?**

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

50 **Kenar uzunlukları $2\sqrt{3}$ cm ve $3\sqrt{2}$ cm olan iki karenin alanları toplamı kaç cm^2 dir?**

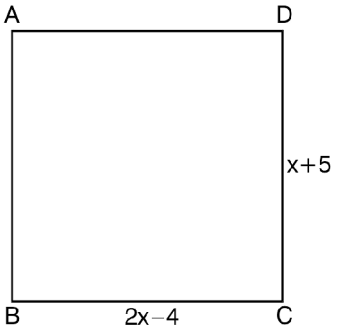
A) 40 B) 36 C) 32 D) 30 E) 28

51 ABCD kare
$|AB| = 2|AD| - 9$
olduğuna göre,
Alan(ABCD)
kaç cm^2 dir?



A) 49 B) 60 C) 64 D) 72 E) 81

52 ABCD kare
$|DC| = (x+5)$ cm
$|BC| = (2x-4)$ cm
olduğuna göre,
Alan(ABCD)
kaç cm^2 dir?

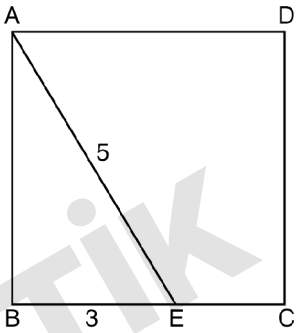


A) 81 B) 108 C) 130 D) 142 E) 196

53 **Köşegen uzunluğu 6 cm olan karenin alanı kaç cm^2 dir?**

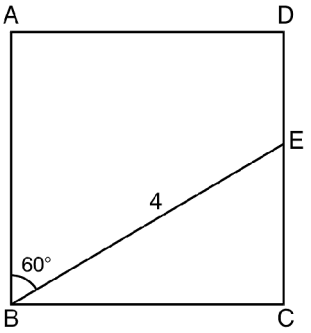
A) 30 B) 24 C) 20 D) 18 E) 16

54 ABCD kare
$|AE| = 5$ cm
$|BE| = 3$ cm
olduğuna göre,
Alan(ABCD)
kaç cm^2 dir?



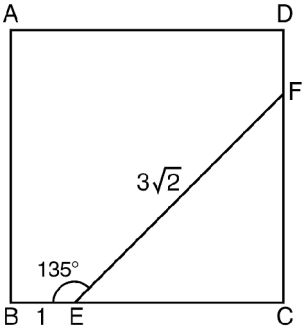
A) 16 B) 20 C) 24 D) 25 E) 36

55 ABCD kare
$m(\widehat{ABE}) = 60°$
$|BE| = 4$ cm
olduğuna göre,
Alan(ABCD)
kaç cm^2 dir?



A) 27 B) 24 C) 18 D) 16 E) 12

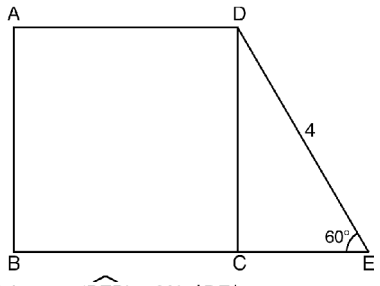
56 ABCD kare
$m(\widehat{BEF}) = 135°$
$|BE| = 1$ cm
$|EF| = 3\sqrt{2}$ cm
olduğuna göre,
Alan(ABCD)
kaç cm^2 dir?



A) 12 B) 15 C) 16 D) 18 E) 20

COOLMATEMATİK

57



ABCD kare, $m(\widehat{BED}) = 60°$, $|DE| = 4$ cm

olduğuna göre, Alan(ABCD) kaç cm² dir?

A) 15 B) 12 C) 10 D) 9 E) 8

58 ABCD kare

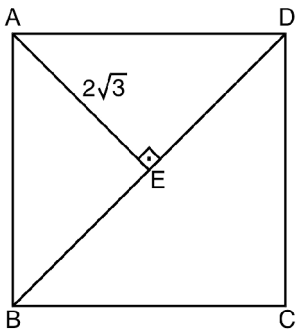
$[AE] \perp [BD]$

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

olduğuna göre,

Alan(ABCD)

kaç cm² dir?



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

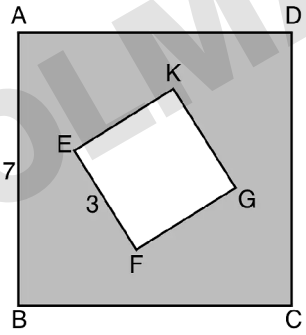
59 ABCD ve EFGK kare

$|AB| = 7$ cm

$|EF| = 3$ cm

olduğuna göre,

iki karenin arasında kalan taralı bölgenin alanı kaç cm² dir?



A) 45 B) 42 C) 40 D) 36 E) 35

60 ABCD kare

[AC] köşegen

$[FE] \perp [DC]$

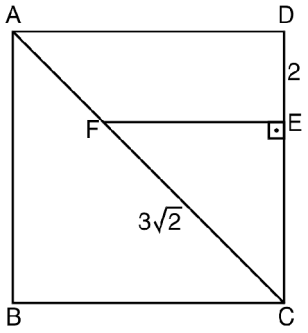
$|DE| = 2$ cm

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

olduğuna göre,

Alan(ABCD)

kaç cm² dir?



A) 18 B) 20 C) 24 D) 25 E) 27

61 ABCD kare

$[DE] \perp [EC]$

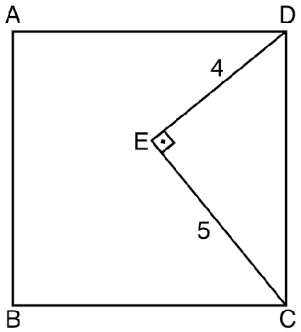
$|DE| = 4$ cm

$|EC| = 5$ cm

olduğuna göre,

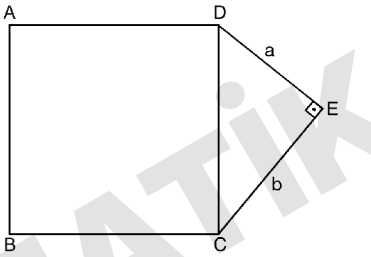
Alan(ABCD)

kaç cm² dir?



A) 45 B) 41 C) 36 D) 34 E) 32

62



ABCD kare, $[DE] \perp [EC]$, $|DE| = a$ cm, $|EC| = b$ cm

$a^2 + b^2 = 84$ cm² **olduğuna göre, Alan(ABCD)**

kaç cm² dir?

A) 84 B) 76 C) 62 D) 52 E) 42

63 ABCD kare

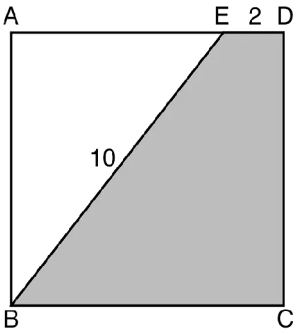
$|BE| = 10$ cm

$|DE| = 2$ cm

olduğuna göre,

Alan(BCDE)

kaç cm² dir?



A) 48 B) 46 C) 45 D) 42 E) 40

64 ABCD kare

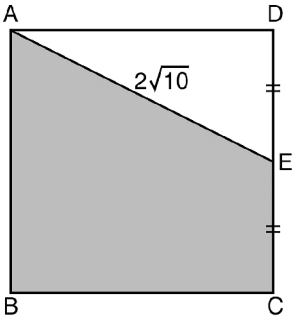
$|DE| = |EC|$

$|AE| = 2\sqrt{10}$ cm

olduğuna göre,

Alan(ABCE)

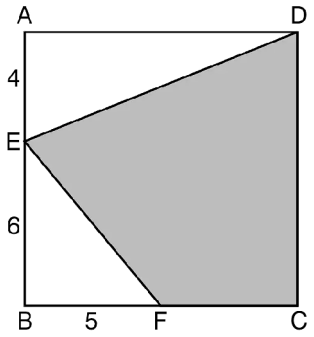
kaç cm² dir?



A) 20 B) 22 C) 24 D) 26 E) 28

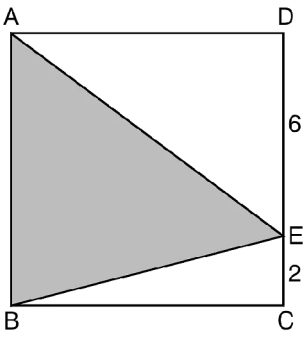
COOLMATEMATİK

65 ABCD kare
$|AE|=4$ cm
$|BF|=5$ cm
$|BE|=6$ cm
olduğuna göre,
taralı bölgenin
alanı kaç cm² dir?



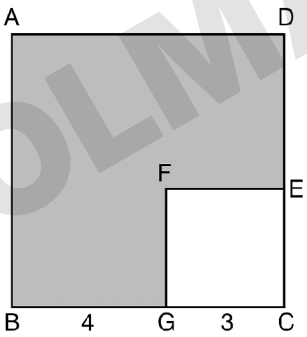
A) 50 B) 55 C) 60 D) 65 E) 70

66 ABCD kare
$|DE|=6$ cm
$|EC|=2$ cm
olduğuna göre,
Alan(ABE)
kaç cm² dir?



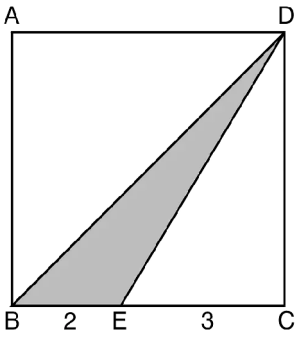
A) 30 B) 32 C) 34 D) 36 E) 38

67 ABCD ve CEFG kare
$|BG|=4$ cm
$|GC|=3$ cm
olduğuna göre,
taralı bölgenin
alanı kaç cm² dir?



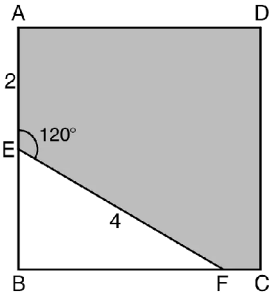
A) 40 B) 38 C) 36 D) 34 E) 32

68 ABCD kare
$|BE|=2$ cm
$|EC|=3$ cm
olduğuna göre,
Alan(BDE)
kaç cm² dir?



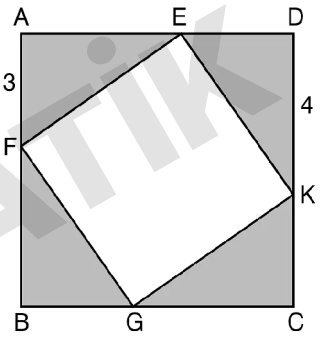
A) 4 B) 5 C) 6 D) 7 E) 8

69 ABCD kare
$m(\widehat{AEF})=120°$
$|AE|=2$ cm
$|EF|=4$ cm
olduğuna göre,
taralı bölgenin
alanı kaç cm² dir?



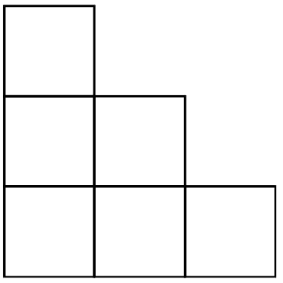
A) $16-2\sqrt{2}$ B) $16-2\sqrt{3}$ C) $8+2\sqrt{3}$
D) $16-4\sqrt{3}$ E) $8+2\sqrt{2}$

70 ABCD ve EFGK kare
$|AF|=3$ cm
$|DK|=4$ cm
olduğuna göre,
taralı bölgelerin
alanları toplamı
kaç cm² dir?



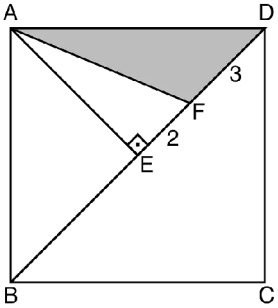
A) 24 B) 25 C) 28 D) 30 E) 32

71 Yandaki eş karelerden oluşan şeklin çevresi $24\sqrt{3}$ cm
olduğuna göre,
alanı kaç cm² dir?



A) 60 B) 62 C) 64 D) 68 E) 72

72 ABCD kare
$[AE]\perp[BD]$
$|EF|=2$ cm
$|DF|=3$ cm
olduğuna göre,
Alan(ADF)
kaç cm² dir?



A) 9 B) $\frac{17}{2}$ C) 8 D) $\frac{15}{2}$ E) 7

COOLMATEMATİK

73 ABCD ve BEFG kare

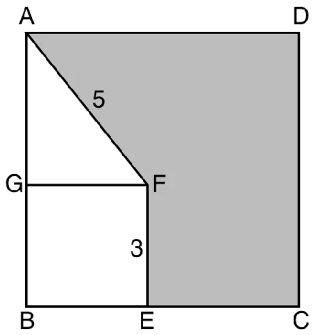
$|EF|=3$ cm

$|AF|=5$ cm

olduğuna göre,

taralı bölgenin

alanı kaç cm² dir?



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

74 ABCD kare

[BD] köşegen

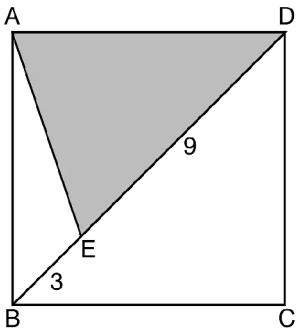
$|BE|=3$ cm

$|DE|=9$ cm

olduğuna göre,

Alan(AED)

kaç cm² dir?



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

75 ABCD ve CEFG kare

$[BE] \cap [DG]=\{C\}$

$|DE|=7\sqrt{3}$ cm

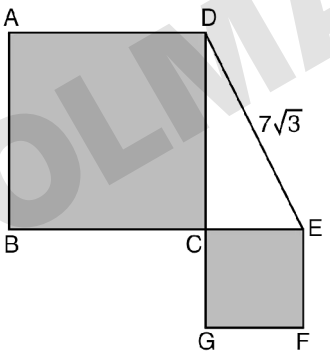
$Alan(ABCD)=S_1$

$Alan(CEFG)=S_2$

olduğuna göre,

S_1+S_2 toplamı

kaç cm² dir?



A) 135 B) 140 C) 142 D) 145 E) 147

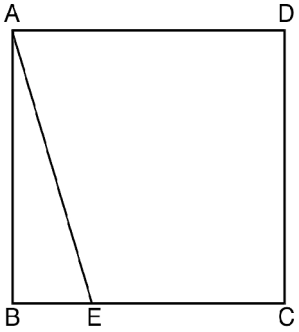
76 ABCD kare

$\frac{|BE|}{|EC|}=\frac{2}{5}$

olduğuna göre,

$\frac{Alan(ABE)}{Alan(ABCD)}$

oranı kaçtır?



A) $\frac{3}{7}$ B) $\frac{5}{14}$ C) $\frac{2}{7}$ D) $\frac{1}{7}$ E) $\frac{2}{21}$

77 ABCD kare

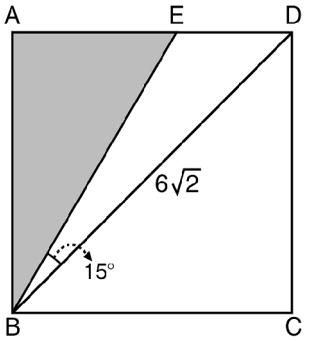
$m(\widehat{EBD})=15°$

$|BD|=6\sqrt{2}$ cm

olduğuna göre,

Alan(ABE)

kaç cm² dir?



A) $4\sqrt{3}$ B) $5\sqrt{3}$ C) $6\sqrt{3}$ D) $7\sqrt{3}$ E) $8\sqrt{3}$

78 ABCD ve BEFK kare

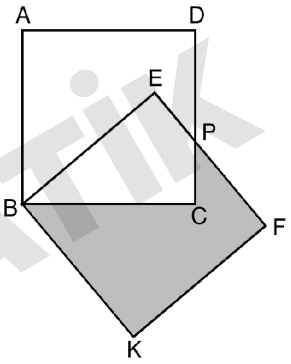
$|BE|=|AD|$

$Alan(ABEPD)=18$ cm²

olduğuna göre,

taralı bölgenin

alanı kaç cm² dir?



A) 15 B) 16 C) 17 D) 18 E) 19

79 ABCD kare

[BD] köşegen

$|BF|=3$ cm

$|FE|=5$ cm

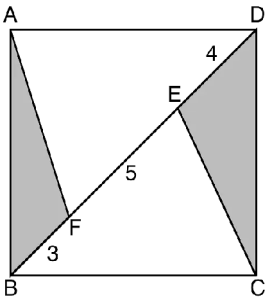
$|ED|=4$ cm

olduğuna göre,

taralı bölgelerin

alanlarının toplamı

kaç cm² dir?



A) 21 B) 24 C) 27 D) 30 E) 33

80 ABCD kare

[BD] köşegen

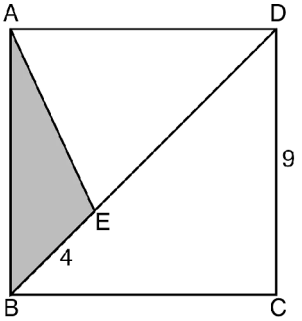
$|BE|=4$ cm

$|DC|=9$ cm

olduğuna göre,

Alan(ABE)

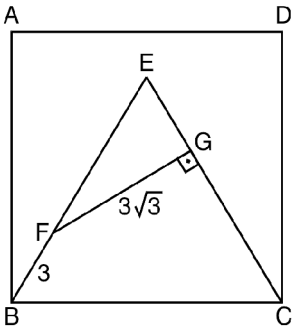
kaç cm² dir?



A) $10\sqrt{2}$ B) $9\sqrt{2}$ C) $8\sqrt{2}$ D) $7\sqrt{2}$ E) $6\sqrt{2}$

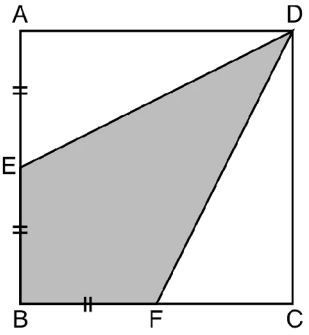
COOLMATEMATİK

81 ABCD kare
EBC eşkenar üçgen
[FG] ⊥ [EC]
$|FG| = 3\sqrt{3}$ cm
|BF| = 3 cm
olduğuna göre,
Alan(ABCD)
kaç cm² dir?



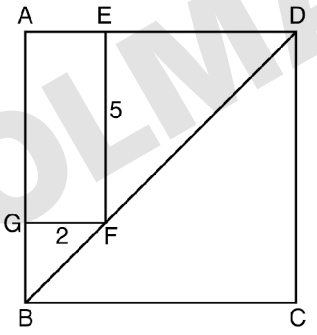
A) 144 B) 121 C) 108 D) 100 E) 81

82 ABCD kare
|AE| = |BE| = |BF|
Alan(ABCD) = 42 cm²
olduğuna göre,
Alan(BEDF)
kaç cm² dir?



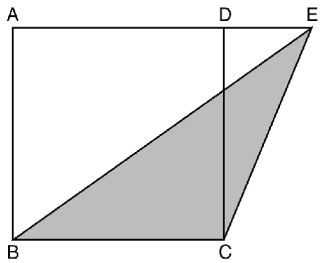
A) 21 B) 24 C) 27 D) 30 E) 32

83 ABCD kare
AEFG dikdörtgen
[BD] köşegen
|FG| = 2 cm
|EF| = 5 cm
olduğuna göre,
Alan(ABCD)
kaç cm² dir?



A) 36 B) 45 C) 48 D) 49 E) 64

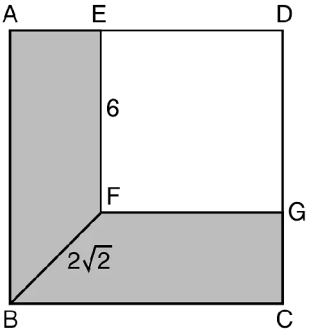
84



ABCD kare, A, D, E doğrusal, Alan(ABCD) = 25 cm²
olduğuna göre, Alan(BEC) kaç cm² dir?

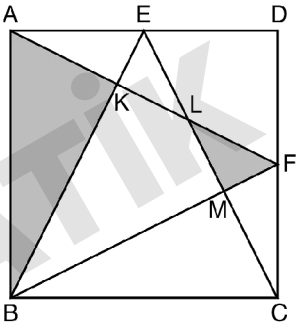
A) 11 B) $\frac{23}{2}$ C) 12 D) $\frac{25}{2}$ E) 13

85 ABCD ve DEFG kare
|EF| = 6 cm
$|BF| = 2\sqrt{2}$ cm
olduğuna göre,
taralı bölgelerin
alanları toplamı
kaç cm² dir?



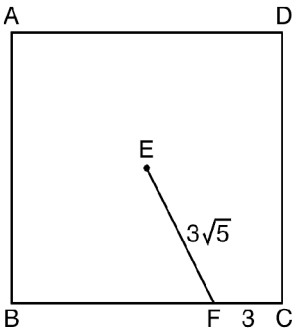
A) 24 B) 26 C) 28 D) 30 E) 32

86 ABCD kare
BEC ve ABF üçgen
Alan(EKL) = 2 cm²
Alan(BMC) = 11 cm²
olduğuna göre,
taralı bölgelerin
alanları toplamı
kaç cm² dir?



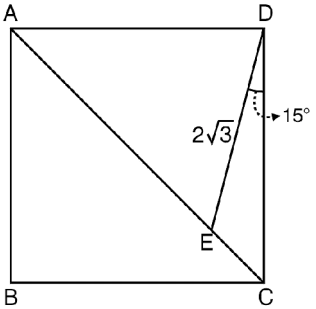
A) 9 B) 10 C) 11 D) 12 E) 13

87 E, ABCD karesinin
köşegenlerinin
kesim noktası
$|EF| = 3\sqrt{5}$ cm
|FC| = 3 cm
olduğuna göre,
Alan(ABCD)
kaç cm² dir?



A) 100 B) 121 C) 144 D) 148 E) 169

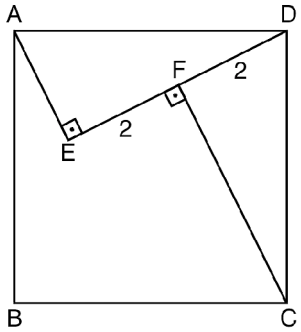
88 ABCD kare
[AC] köşegen
$m(\widehat{EDC}) = 15°$
$|DE| = 2\sqrt{3}$ cm
olduğuna göre,
Alan(ABCD)
kaç cm² dir?



A) 16 B) 18 C) 20 D) 24 E) 27

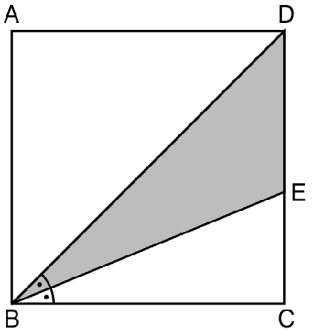
COOLMATEMATİK

89 ABCD kare
$[AE] \perp [DE]$
$[CF] \perp [DE]$
$|EF| = |DF| = 2$ cm
olduğuna göre,
Alan(ABCD)
kaç cm² dir?



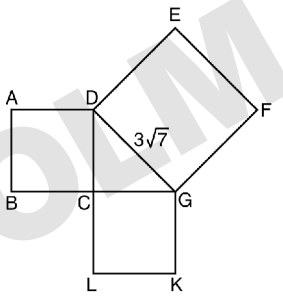
A) 20 B) 24 C) 25 D) 27 E) 30

90 ABCD kare
$m(\widehat{DBE}) = m(\widehat{EBC})$
$|EC| \cdot |BD| = 24$ cm²
olduğuna göre,
Alan(BED)
kaç cm² dir?



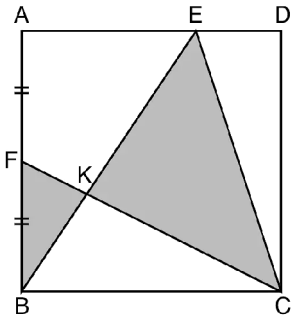
A) 9 B) 12 C) 18 D) 20 E) 24

91 ABCD, DEFG ve CGKL kare
$[BG] \cap [DL] = \{C\}$
$Alan(ABCD) = S_1$
$Alan(DEFG) = S_2$
$Alan(CGKL) = S_3$
$|DG| = 3\sqrt{7}$ cm
olduğuna göre,
$S_1 + S_2 + S_3$ toplamı
kaç cm² dir?



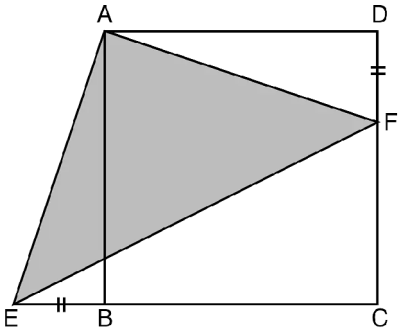
A) 63 B) 96 C) 100 D) 126 E) 130

92 ABCD kare
$[EB] \cap [CF] = \{K\}$
$|AF| = |FB|$
$Alan(BKF) = 2$ cm²
$Alan(EKC) = 12$ cm²
olduğuna göre,
karenin çevresi
kaç cm dir?



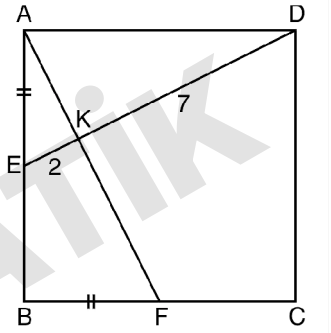
A) $6\sqrt{5}$ B) $4\sqrt{10}$ C) $8\sqrt{5}$ D) $6\sqrt{10}$ E) $8\sqrt{10}$

93 ABCD kare
E, B, C doğrusal
$|DF| = |EB|$
$|EF| = 10$ cm
olduğuna göre,
Alan(AEF)
kaç cm² dir?



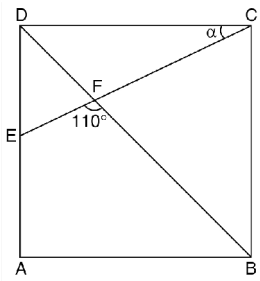
A) 24 B) 25 C) 30 D) 36 E) 40

94 ABCD kare
$[AF] \cap [ED] = \{K\}$
$|AE| = |BF|$
$|EK| = 2$ cm
$|DK| = 7$ cm
olduğuna göre,
Alan(ABCD)
kaç cm² dir?



A) 48 B) 52 C) 56 D) 60 E) 63

95

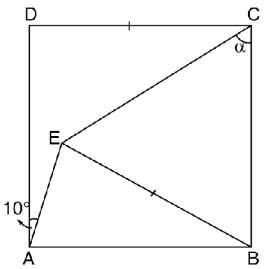


ABCD bir kare
$[BD]$ köşegen
$m(\widehat{BFE}) = 110°$

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

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

96



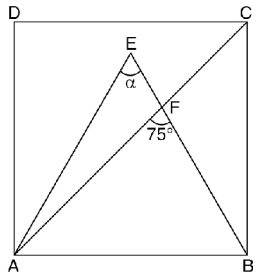
ABCD bir kare
$|BE| = |DC|$
$m(\widehat{DAE}) = 10°$

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

A) 65 B) 60 C) 55 D) 50 E) 45

COOLMATEMATİK

97



ABCD bir kare

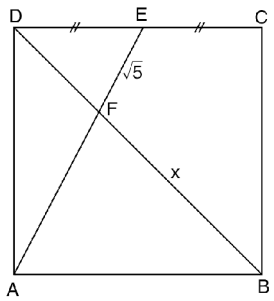
$|AE| = |EB|$

$m(\widehat{AFB}) = 75°$

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

A) 50 B) 55 C) 60 D) 65 E) 70

98



ABCD bir kare

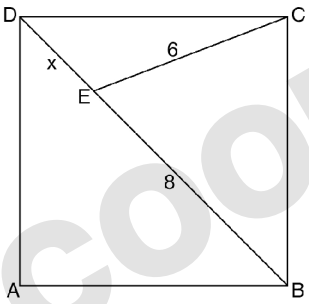
$|DE| = |EC|$

$|EF| = \sqrt{5}$

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

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

99



ABCD bir kare

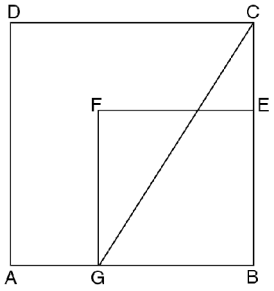
$|CE| = 6$ cm

$|BE| = 8$ cm

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

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

100



ABCD ve BEFG birer kare

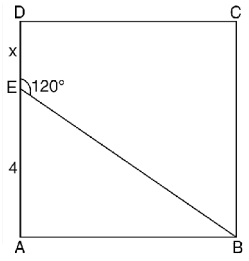
A(ABCD) = 25

A(BEFG) = 9

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

A) $3\sqrt{3}$ B) $2\sqrt{7}$ C) $\sqrt{30}$ D) $4\sqrt{2}$ E) $\sqrt{34}$

101



ABCD bir kare

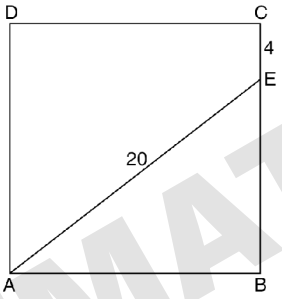
$m(\widehat{DEB}) = 120°$

$|AE| = 4$ cm

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

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

102



ABCD bir kare

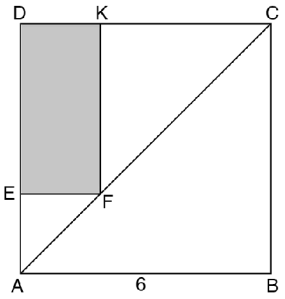
$|CE| = 4$ cm

$|AE| = 20$ cm

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

A) 36 B) 48 C) 64 D) 72 E) 84

103



ABCD bir kare

DEFK dikdörtgen

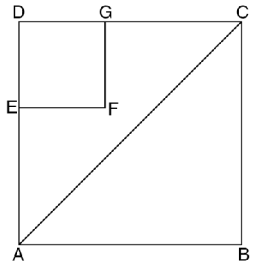
$|KF| = 2|EF|$

$|AB| = 6$ cm

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

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

104



ABCD ve DEFG birer kare

$A(DEFG) = 4\ cm^2$

F noktasının [AC] ye uzaklığı $\sqrt{2}$ cm dir.

Buna göre, |ACI kaç cm dir?

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

COOLMATEMATİK

CEVAP ANAHTARI

No	Cevap
1.	E
2.	E
3.	A
4.	B
5.	D
6.	E
7.	A
8.	D
9.	E
10.	D
11.	C
12.	D
13.	B
14.	A
15.	C
16.	D
17.	E
18.	D
19.	E
20.	C
21.	D
22.	B
23.	E
24.	A
25.	E
26.	C
27.	D
28.	A
29.	B
30.	B
31.	E
32.	B
33.	A
34.	C
35.	E

No	Cevap
36.	D
37.	A
38.	D
39.	E
40.	B
41.	C
42.	C
43.	B
44.	B
45.	A
46.	D
47.	C
48.	A
49.	B
50.	D
51.	E
52.	E
53.	D
54.	A
55.	E
56.	C
57.	B
58.	E
59.	C
60.	D
61.	B
62.	A
63.	E
64.	C
65.	D
66.	B
67.	A
68.	B
69.	B
70.	A

No	Cevap
71.	E
72.	D
73.	C
74.	A
75.	E
76.	D
77.	C
78.	D
79.	A
80.	B
81.	E
82.	A
83.	D
84.	D
85.	C
86.	E
87.	C
88.	B
89.	A
90.	B
91.	D
92.	E
93.	B
94.	E
95.	D
96.	C
97.	C
98.	A
99.	D
100.	E
101.	D
102.	C
103.	E
104.	D