

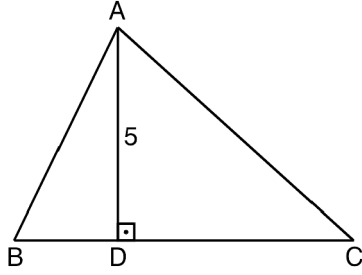
1  $[AD] \perp [BC]$ 

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

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

olduğuna göre,

Alan(ABC)

kaç  $\text{cm}^2$  dir?

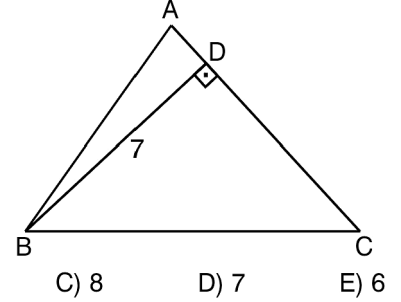
- A) 10 B) 20 C) 30 D) 40 E) 50

5  $[BD] \perp [AC]$ 

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

Alan(ABC) =  $28 \text{ cm}^2$

olduğuna göre,

 $|AC|$  kaç cm dir?

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

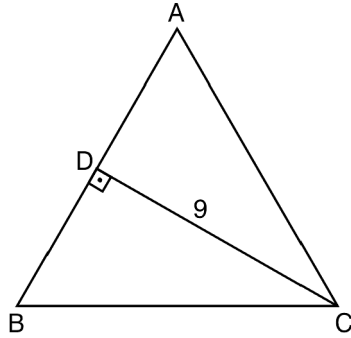
2  $[CD] \perp [AB]$ 

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

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

olduğuna göre,

Alan(ABC)

kaç  $\text{cm}^2$  dir?

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

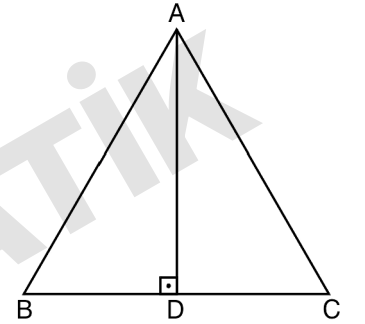
6  $[AD] \perp [BC]$ 

Alan(ABC) =  $17 \text{ cm}^2$

olduğuna göre,

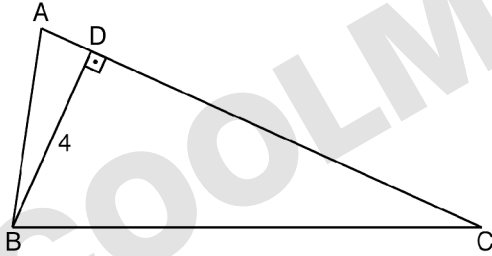
 $|AD| \cdot |BC|$ 

çarpımı

kaç  $\text{cm}^2$  dir?

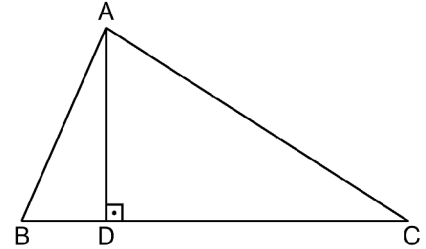
- A) 17 B) 20 C) 28 D) 32 E) 34

3

 $[BD] \perp [AC]$ ,  $|AC| = 9 \text{ cm}$ ,  $|BD| = 4 \text{ cm}$  olduğuna göre,Alan(ABC) kaç  $\text{cm}^2$  dir?

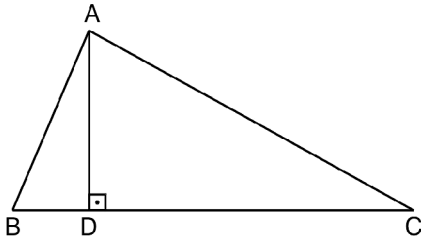
- A) 18 B) 20 C) 24 D) 30 E) 36

7

 $[AD] \perp [BC]$ ,  $|BC| = 2|AD|$ , Alan(ABC) =  $16 \text{ cm}^2$ olduğuna göre,  $|AD|$  kaç cm dir?

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

4

 $[AD] \perp [BC]$ ,  $|AD| \cdot |BC| = 30 \text{ cm}^2$  olduğuna göre,Alan(ABC) kaç  $\text{cm}^2$  dir?

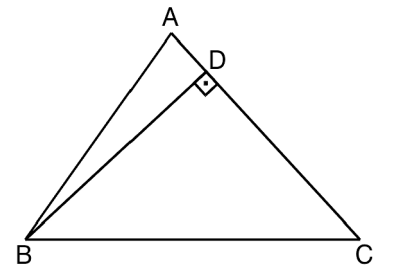
- A) 30 B) 25 C) 20 D) 15 E) 10

8  $[BD] \perp [AC]$ 

$|BD| = |AC| - 2$

Alan(ABC) =  $24 \text{ cm}^2$

olduğuna göre,

 $|BD|$  kaç cm dir?

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

9 [AD] ⊥ [BC]

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

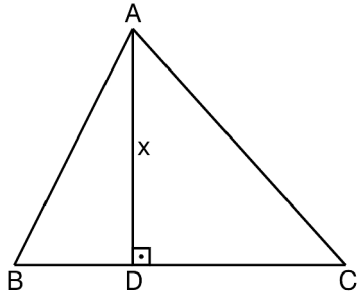
$|BC| = (x+4) \text{ cm}$

$\text{Alan}(\triangle ABC) = 70 \text{ cm}^2$

olduğuna göre,

x kaçtır?

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



13 [AD] ⊥ [BC]

$[BE] \perp [AC]$

$|AD| \cdot |BC| = 46 \text{ cm}^2$

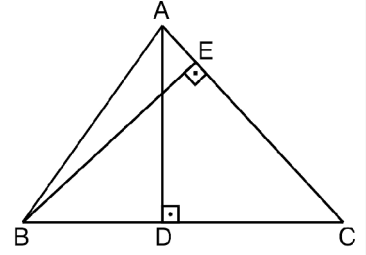
olduğuna göre,

$|BE| \cdot |AC|$

çarpımı

kaç  $\text{cm}^2$  dir?

- A) 46 B) 40 C) 34 D) 28 E) 23



14 [AF] ⊥ [BC]

$[DE] \perp [AC]$

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

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

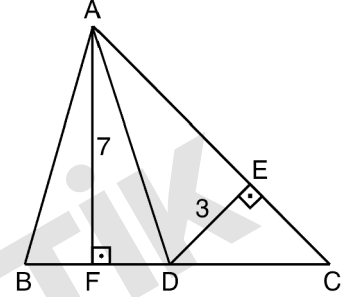
$|DE| = 3 \text{ cm}$

$|AC| = 10 \text{ cm}$

olduğuna göre,

Alan( $\triangle ABC$ ) kaç  $\text{cm}^2$  dir?

- A) 58 B) 47 C) 43 D) 35 E) 29



11 [BD] ⊥ [AC]

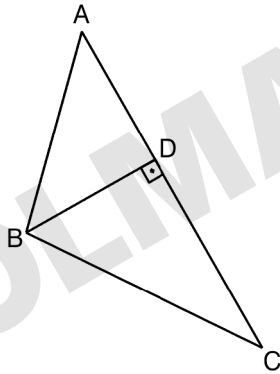
$\frac{|BD|}{|AC|} = \frac{2}{5}$

$\text{Alan}(\triangle ABC) = 45 \text{ cm}^2$

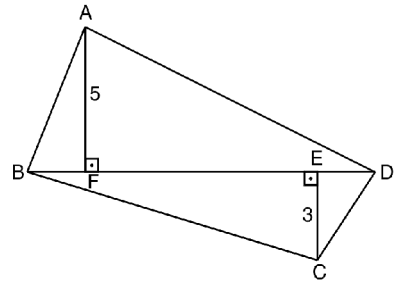
olduğuna göre,

|BD| kaç cm dir?

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



15



$[AF] \perp [BD], [CE] \perp [BD], |AF| = 5 \text{ cm}, |CE| = 3 \text{ cm}$

$|BD| = 12 \text{ cm}$  olduğuna göre, Alan( $ABCD$ )

kaç  $\text{cm}^2$  dir?

- A) 60 B) 54 C) 48 D) 42 E) 34

12 [AD] ⊥ [BC]

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

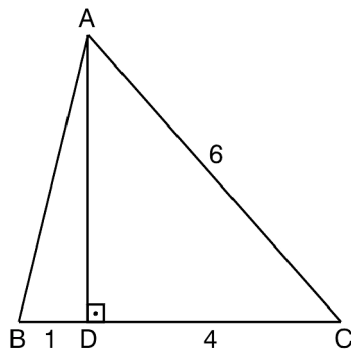
$|DC| = 4 \text{ cm}$

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

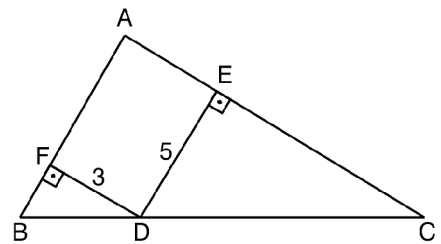
olduğuna göre,

Alan( $\triangle ABC$ )kaç  $\text{cm}^2$  dir?

- A)
- $2\sqrt{6}$
- B)
- $3\sqrt{5}$
- C)
- $4\sqrt{3}$
- D)
- $4\sqrt{7}$
- E)
- $5\sqrt{5}$



16



$[DF] \perp [AB], [DE] \perp [AC], |DF| = 3 \text{ cm}, |AB| = 6 \text{ cm}$

$|DE| = 5 \text{ cm}, |AC| = 10 \text{ cm}$  olduğuna göre,

Alan( $\triangle ABC$ ) kaç  $\text{cm}^2$  dir?

- A) 68 B) 56 C) 48 D) 40 E) 34

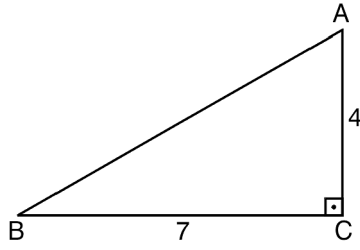
17  $[AC] \perp [BC]$ 

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

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

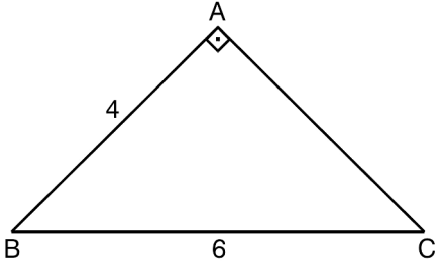
olduğuna göre,

Alan(ABC)

kaç  $\text{cm}^2$  dir?

- A) 14      B) 18      C) 22      D) 24      E) 28

18

 $[AB] \perp [AC]$ ,  $|AB| = 4 \text{ cm}$ ,  $|BC| = 6 \text{ cm}$  olduğuna göre,Alan(ABC) kaç  $\text{cm}^2$  dir?

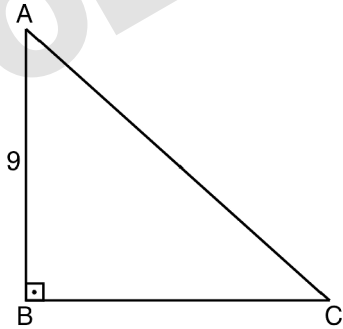
- A)  $2\sqrt{5}$       B)  $4\sqrt{5}$       C)  $4\sqrt{10}$       D)  $5\sqrt{5}$       E)  $8\sqrt{5}$

19  $[AB] \perp [BC]$ 

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

Alan(ABC) =  $45 \text{ cm}^2$

olduğuna göre,

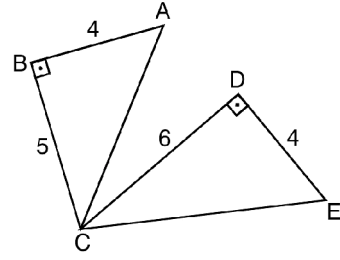
 $|BC|$  kaç cm dir?

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

20 Dik kenarlarının uzunlukları ardışık çift tam sayılar olan bir üçgenin alanı  $40 \text{ cm}^2$  olduğuna göre, bu üçgenin hipotenüs uzunluğu kaç cm dir?

- A)  $9\sqrt{3}$       B)  $2\sqrt{41}$       C)  $8\sqrt{2}$       D)  $6\sqrt{5}$       E) 10

21



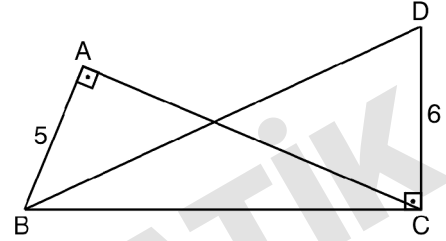
$[AB] \perp [BC]$ ,  $[DE] \perp [DC]$ ,  $|AB| = |DE| = 4 \text{ cm}$

$|BC| = 5 \text{ cm}$ ,  $|DC| = 6 \text{ cm}$  olduğuna göre,

Alan(ABC) + Alan(DEC) toplamı kaç  $\text{cm}^2$  dir?

- A) 18      B) 20      C) 22      D) 24      E) 26

22



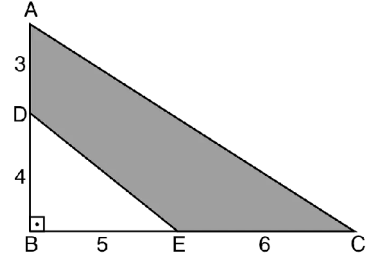
$[AB] \perp [AC]$ ,  $[DC] \perp [BC]$ ,  $|AB| = 5 \text{ cm}$ ,  $|DC| = 6 \text{ cm}$

$|AC| = 12 \text{ cm}$  olduğuna göre, Alan(BDC)

kaç  $\text{cm}^2$  dir?

- A) 39      B) 40      C) 45      D) 54      E) 58

23



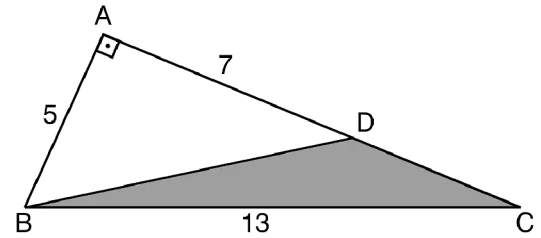
$[AB] \perp [BC]$ ,  $|AD| = 3 \text{ cm}$ ,  $|BD| = 4 \text{ cm}$ ,  $|BE| = 5 \text{ cm}$

$|EC| = 6 \text{ cm}$  olduğuna göre, taralı bölgenin alanı

kaç  $\text{cm}^2$  dir?

- A) 22      B)  $\frac{49}{2}$       C)  $\frac{57}{2}$       D) 33      E) 45

24

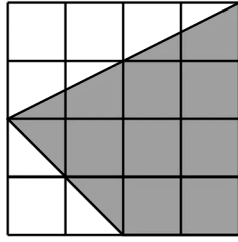


$[AB] \perp [AC]$ ,  $|AB| = 5 \text{ cm}$ ,  $|AD| = 7 \text{ cm}$ ,  $|BC| = 13 \text{ cm}$

olduğuna göre, Alan(BDC) kaç  $\text{cm}^2$  dir?

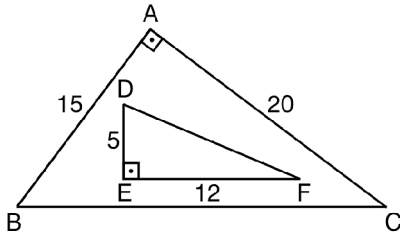
- A) 21      B)  $\frac{33}{2}$       C) 15      D)  $\frac{25}{2}$       E) 12

- 25 Yandaki şekil eş birim karelerden oluşmuştur. Buna göre, taralı bölgenin alanı kaç  $\text{br}^2$  dir?



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

26



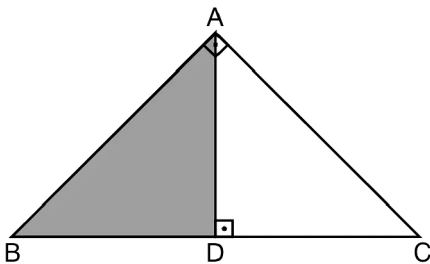
$[AB] \perp [AC]$ ,  $[DE] \perp [EF]$ ,  $|AB| = 15 \text{ cm}$ ,  $|AC| = 20 \text{ cm}$   
 $|DE| = 5 \text{ cm}$ ,  $|EF| = 12 \text{ cm}$  olduğuna göre, iki üçgenin arasında kalan bölgenin alanı kaç  $\text{cm}^2$  dir?

A) 70 B) 80 C) 90 D) 110 E) 120

- 27 . Hipotenüs uzunluğu 4 cm olan ikizkenar dik üçgenin alanı kaç  $\text{cm}^2$  dir?

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

28

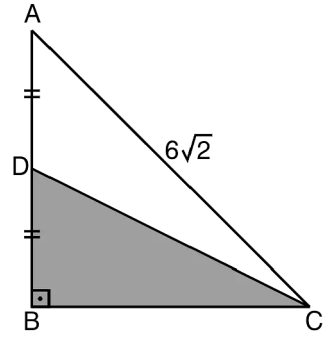


ABC ikizkenar dik üçgen,  $[AB] \perp [AC]$ ,  $[AD] \perp [BC]$ ,  
 $|BC| = 8 \text{ cm}$  olduğuna göre, Alan(ABD) kaç  $\text{cm}^2$  dir?

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

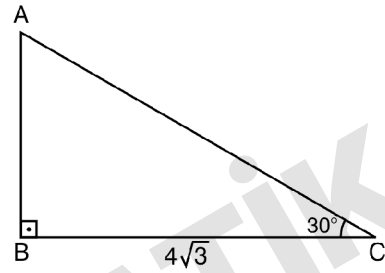
29

- ABC ikizkenar dik üçgen  
 $[AB] \perp [BC]$   
 $|AD| = |BD|$   
 $|AC| = 6\sqrt{2} \text{ cm}$   
 olduğuna göre,  
 Alan(BCD)  
 kaç  $\text{cm}^2$  dir?



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

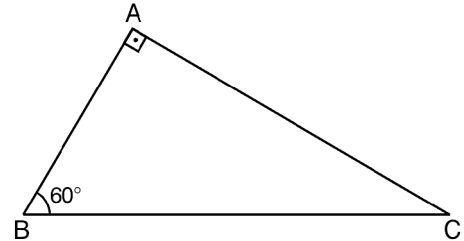
30



$[AB] \perp [BC]$ ,  $m(\widehat{ACB}) = 30^\circ$ ,  $|BC| = 4\sqrt{3} \text{ cm}$   
 olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

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

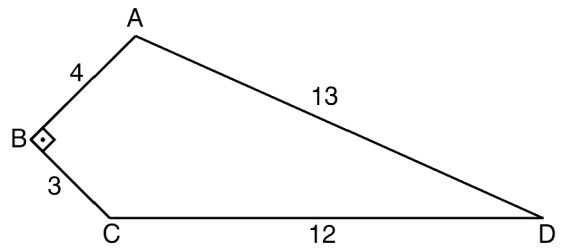
31



$[AB] \perp [AC]$ ,  $m(\widehat{ABC}) = 60^\circ$ , Alan(ABC) =  $\frac{9\sqrt{3}}{2} \text{ cm}^2$   
 olduğuna göre,  $|BC|$  kaç cm dir?

A) 12 B) 9 C) 8 D) 6 E) 3

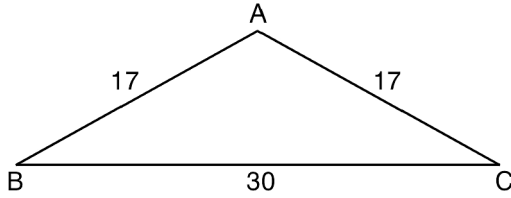
32



$[AB] \perp [BC]$ ,  $|AB| = 4 \text{ cm}$ ,  $|BC| = 3 \text{ cm}$ ,  $|CD| = 12 \text{ cm}$   
 $|AD| = 13 \text{ cm}$  olduğuna göre, Alan(ABCD) kaç  $\text{cm}^2$  dir?

A) 36 B) 40 C) 44 D) 48 E) 52

33



$|AB| = |AC| = 17$  cm,  $|BC| = 30$  cm olduğuna göre,  $\text{Alan}(\text{ABC})$  kaç  $\text{cm}^2$  dir?

- A) 120 B) 110 C) 100 D) 90 E) 80

34

$[AB] \perp [BC]$

$|AB| = 12$  cm

$|CD| = 10$  cm

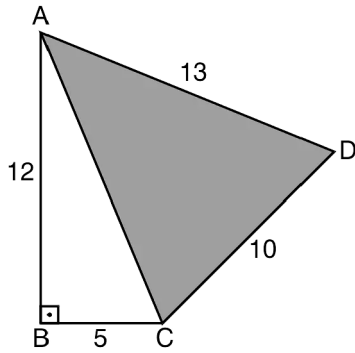
$|BC| = 5$  cm

$|AD| = 13$  cm

olduğuna göre,

$\text{Alan}(\text{ACD})$

kaç  $\text{cm}^2$  dir?



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

35

$[AB] \perp [BC]$

$[DE] \perp [AB]$

$|AD| = 5$  cm

$|DE| = 1$  cm

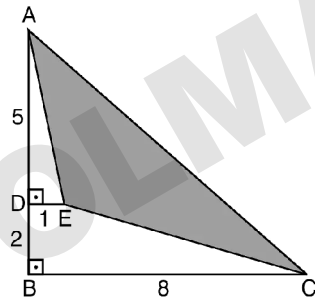
$|BD| = 2$  cm

$|BC| = 8$  cm

olduğuna göre,

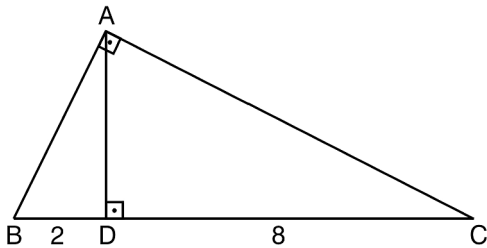
$\text{Alan}(\text{AEC})$

kaç  $\text{cm}^2$  dir?



- A)  $\frac{41}{2}$  B)  $\frac{39}{2}$  C)  $\frac{37}{2}$  D)  $\frac{35}{2}$  E)  $\frac{33}{2}$

36



$[AB] \perp [AC]$ ,  $[AD] \perp [BC]$ ,  $|BD| = 2$  cm,  $|DC| = 8$  cm olduğuna göre,  $\text{Alan}(\text{ABC})$  kaç  $\text{cm}^2$  dir?

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

37

ABC eşkenar üçgen

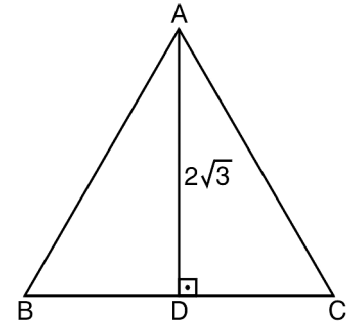
$[AD] \perp [BC]$

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

olduğuna göre,

$\text{Alan}(\text{ABC})$

kaç  $\text{cm}^2$  dir?



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

38

Bir kenarı 6 cm olan eşkenar üçgenin alanı kaç  $\text{cm}^2$  dir?

- A) 24 B)  $12\sqrt{6}$  C)  $12\sqrt{3}$  D)  $9\sqrt{6}$  E)  $9\sqrt{3}$

39

ABC eşkenar üçgen

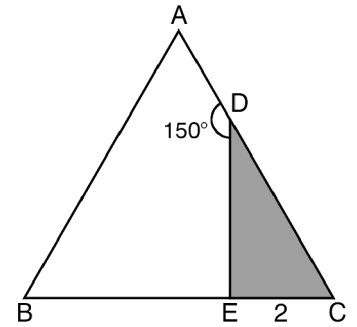
$m(\widehat{ADE}) = 150^\circ$

$|EC| = 2$  cm

olduğuna göre,

$\text{Alan}(\text{DEC})$

kaç  $\text{cm}^2$  dir?



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

40

ABC eşkenar üçgen

$[BD] \perp [AC]$

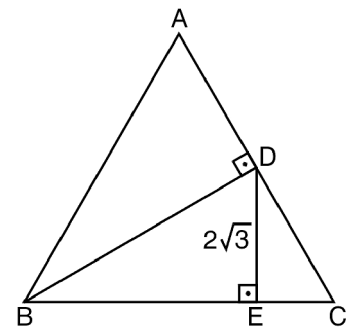
$[DE] \perp [BC]$

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

olduğuna göre,

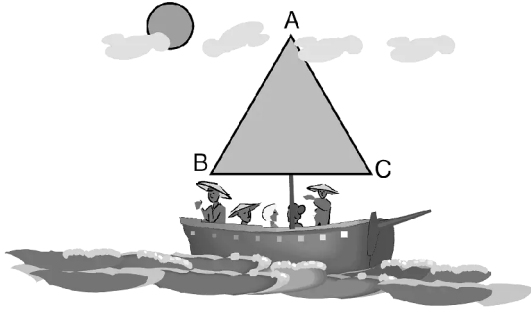
$\text{Alan}(\text{ABC})$

kaç  $\text{cm}^2$  dir?



- A)  $4\sqrt{3}$  B)  $6\sqrt{3}$  C)  $8\sqrt{3}$  D)  $12\sqrt{3}$  E)  $16\sqrt{3}$

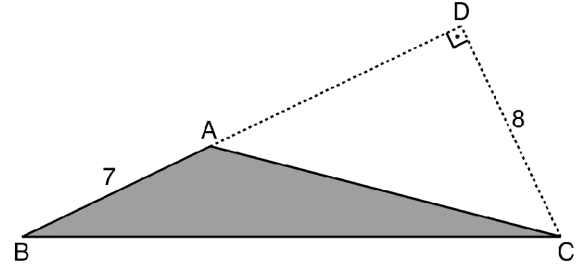
41



Şekildeki geminin, bir kenarı 12 m olan eşkenar üçgen biçimindeki yelkeninin alanı kaç  $m^2$  dir?

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

45

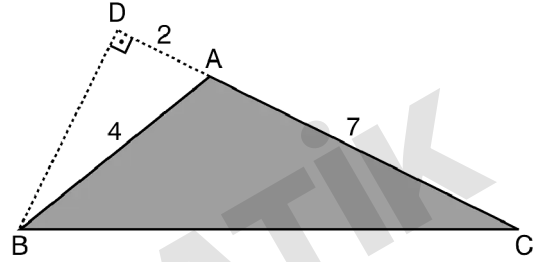


$[CD] \perp [BD]$ ,  $|CD| = 8$  cm,  $|AB| = 7$  cm

olduğuna göre, Alan(ABC) kaç  $cm^2$  dir?

- A) 24 B) 28 C) 32 D) 36 E) 44

46



$[BD] \perp [DC]$ ,  $|AD| = 2$  cm,  $|AC| = 7$  cm,  $|AB| = 4$  cm

olduğuna göre, Alan(ABC) kaç  $cm^2$  dir?

- A)  $7\sqrt{3}$  B) 14 C)  $4\sqrt{3}$  D) 7 E)  $2\sqrt{3}$

42

$[AB] \perp [AD]$

$[BC] \perp [CD]$

$|AB| = 6$  cm

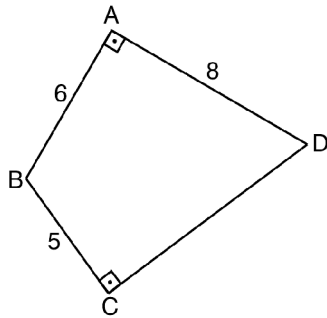
$|AD| = 8$  cm

$|BC| = 5$  cm

olduğuna göre,

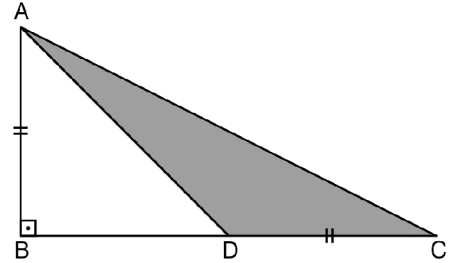
Alan(ABCD)

kaç  $cm^2$  dir?



- A) 24 B)  $25\sqrt{3}$  C)  $15 + 12\sqrt{3}$   
D)  $24 + \frac{25\sqrt{3}}{2}$  E)  $15 + \frac{12\sqrt{3}}{5}$

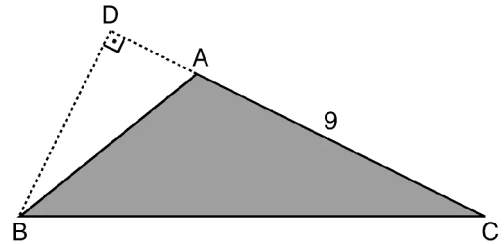
47



$[AB] \perp [BC]$ , Alan(ADC) =  $24$   $cm^2$  olduğuna göre,  $|AB| = |DC|$  kaç cm dir?

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

48



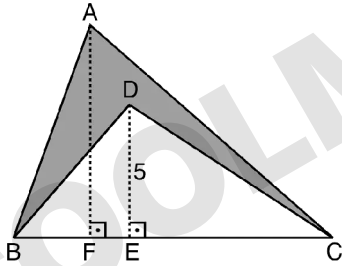
$[BD] \perp [DC]$ ,  $|AB| = |AD| + 2$ ,  $|AC| = 9$  cm

Alan(ABC) =  $9\sqrt{5}$   $cm^2$  olduğuna göre,

$|AB|$  kaç cm dir?

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

43

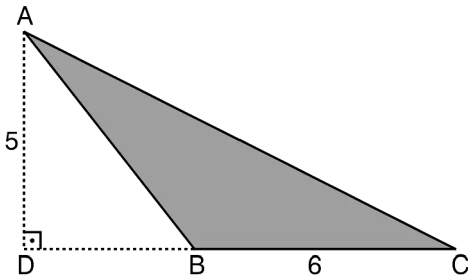


BDC üçgen,  $[DE] \perp [BC]$ ,  $[AF] \perp [BC]$ ,  $|AF| = 8$  cm  
 $|DE| = 5$  cm,  $|BC| = 12$  cm olduğuna göre, taralı

bölgenin alanı kaç  $cm^2$  dir?

- A) 18 B) 20 C) 24 D) 28 E) 32

44



$[AD] \perp [DC]$ ,  $|AD| = 5$  cm,  $|BC| = 6$  cm olduğuna göre,

Alan(ABC) kaç  $cm^2$  dir?

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

49 ABC üçgen

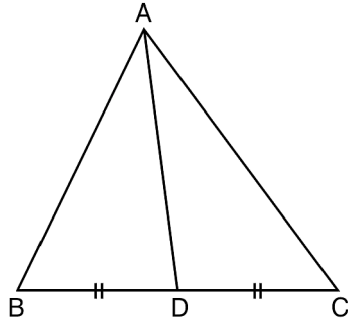
$$|BD| = |DC|$$

$$\text{Alan}(ABC) = (x+6) \text{ cm}^2$$

$$\text{Alan}(ABD) = (x-2) \text{ cm}^2$$

olduğuna göre,

x kaçtır?



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

50 ABC üçgen

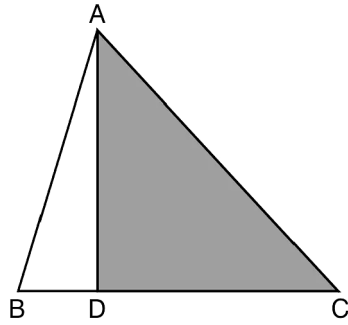
$$|DC| = 3|BD|$$

$$\text{Alan}(ABD) = 4 \text{ cm}^2$$

olduğuna göre,

Alan(ADC)

kaç cm² dir?



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

51 ABC üçgen

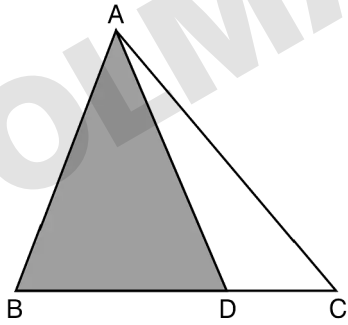
$$2|BD| = 3|DC|$$

$$\text{Alan}(ABC) = 40 \text{ cm}^2$$

olduğuna göre,

Alan(ABD)

kaç cm² dir?



- A) 24 B) 22 C) 20 D) 18 E) 16

52 ABC üçgen

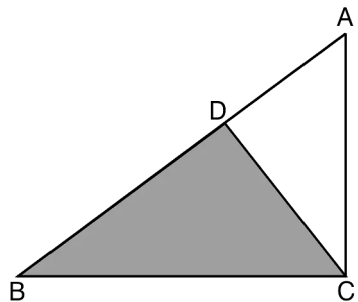
$$\frac{|AD|}{|BD|} = \frac{3}{5}$$

$$\text{Alan}(ABC) = 48 \text{ cm}^2$$

olduğuna göre,

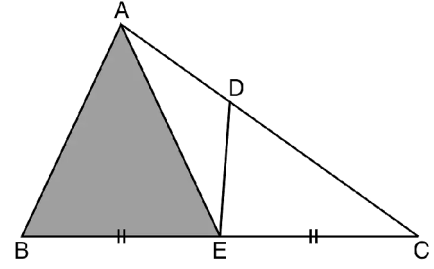
Alan(BDC)

kaç cm² dir?



- A) 35 B) 30 C) 28 D) 26 E) 24

53



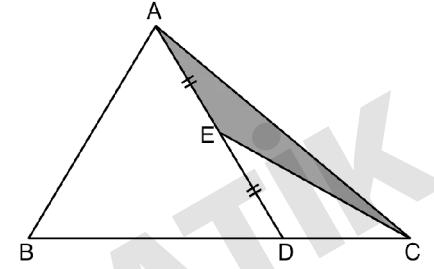
ABC üçgen,  $|BE| = |EC|$ ,  $|DC| = 2|AD|$

Alan(AED) = 7 cm² olduğuna göre,

Alan(ABE) kaç cm² dir?

- A) 12 B) 14 C) 15 D) 18 E) 21

54



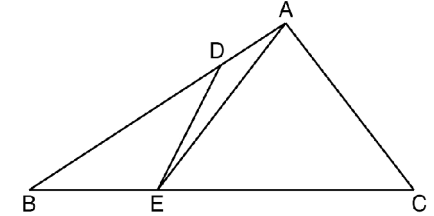
$[AD] \cap [BC] = \{D\}$ ,  $|AE| = |ED|$ ,  $|BD| = 2|DC|$

Alan(AEC) = 4 cm² olduğuna göre,

Alan(ABD) kaç cm² dir?

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

55

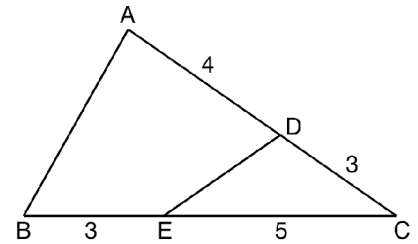


ABC üçgen,  $|BD| = 3|AD|$ ,  $|EC| = 2|BE|$

olduğuna göre,  $\frac{\text{Alan}(AED)}{\text{Alan}(AEC)}$  oranı kaçtır?

- A)  $\frac{1}{4}$  B)  $\frac{1}{6}$  C)  $\frac{1}{8}$  D)  $\frac{2}{5}$  E)  $\frac{3}{7}$

56

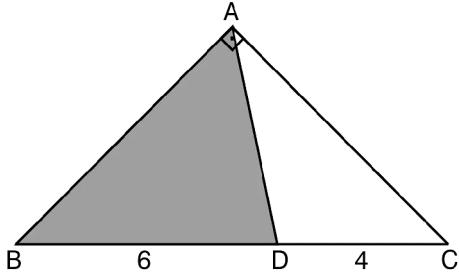


ABC üçgen,  $|DC| = |BE| = 3 \text{ cm}$ ,  $|AD| = 4 \text{ cm}$

$|EC| = 5 \text{ cm}$  olduğuna göre,  $\frac{\text{Alan}(DEC)}{\text{Alan}(ABC)}$  oranı kaçtır?

- A)  $\frac{9}{34}$  B)  $\frac{11}{35}$  C)  $\frac{13}{40}$  D)  $\frac{15}{56}$  E)  $\frac{17}{41}$

57



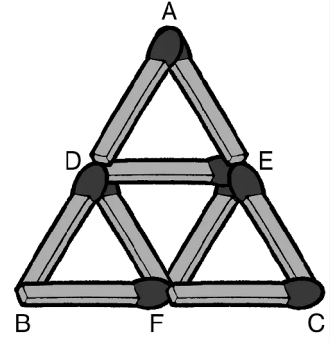
ABC ikizkenar dik üçgen,  $[AB] \perp [AC]$ ,  $|BD| = 6$  cm  
 $|DC| = 4$  cm olduğuna göre, Alan(ABD) kaç  $\text{cm}^2$  dir?

- A) 15 B) 18 C) 20 D) 25 E) 30

61

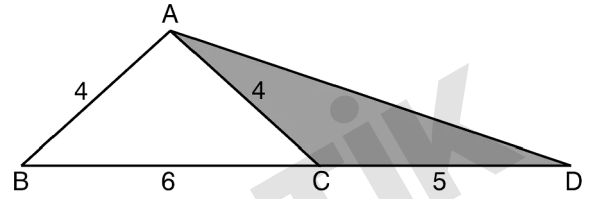
ABC üçgeni 9 tane  
 eş uzunluktaki kibrit  
 çöpünden oluşan bir  
 eşkenar üçgendir.  
 $|EC| = 4$  cm

olduğuna göre,  
 DEF üçgeninin  
 alanı kaç  $\text{cm}^2$  dir?



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

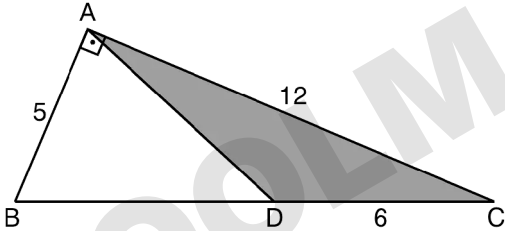
62



ABD üçgen,  $|AB| = |AC| = 4$  cm,  $|BC| = 6$  cm  
 $|CD| = 5$  cm olduğuna göre, Alan(ACD) kaç  $\text{cm}^2$  dir?

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

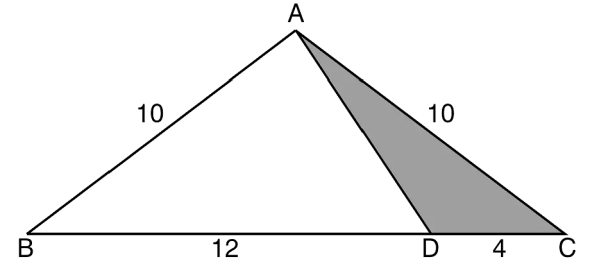
59



ABC üçgen,  $[AB] \perp [AC]$ ,  $|AB| = 5$  cm,  $|AC| = 12$  cm  
 $|DC| = 6$  cm olduğuna göre, Alan(ADC) kaç  $\text{cm}^2$  dir?

- A)  $\frac{180}{17}$  B)  $\frac{180}{13}$  C)  $\frac{90}{70}$  D)  $\frac{47}{3}$  E)  $\frac{35}{2}$

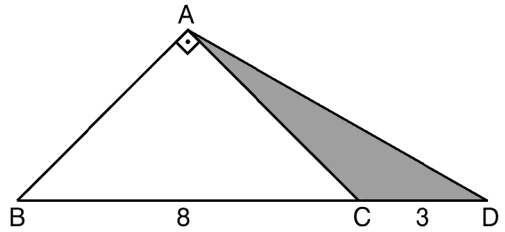
63



ABC üçgen,  $|AB| = |AC| = 10$  cm,  $|BD| = 12$  cm  
 $|DC| = 4$  cm olduğuna göre, Alan(ADC) kaç  $\text{cm}^2$  dir?

- A) 12 B) 16 C) 18 D) 22 E) 24

60

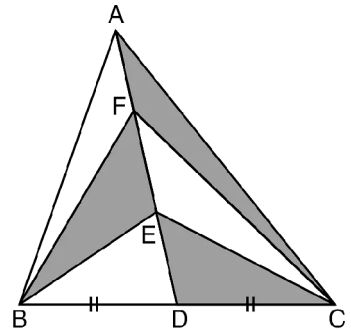


ABC ikizkenar dik üçgen, B, C, D doğrusal,  $[AB] \perp [AC]$   
 $|BC| = 8$  cm  $|CD| = 3$  cm olduğuna göre,  
 Alan(ACD) kaç  $\text{cm}^2$  dir?

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

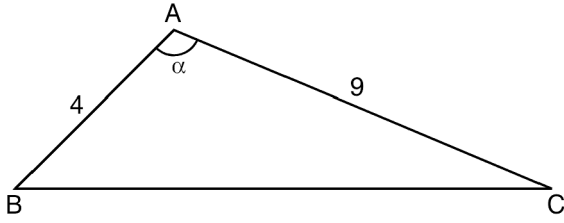
64

ABC üçgen  
 A, E, D doğrusal  
 $|BD| = |DC|$   
 Alan(ABC) =  $18 \text{ cm}^2$   
 olduğuna göre,  
 taralı bölgelerin  
 alanları toplamı  
 kaç  $\text{cm}^2$  dir?



- A) 6 B) 8 C) 9 D) 11 E) 12

65

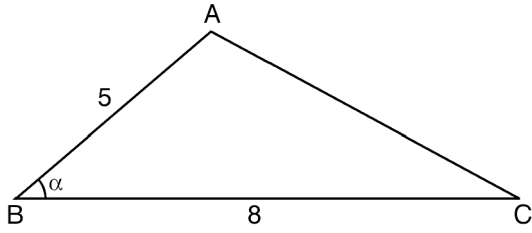


$m(\widehat{BAC}) = \alpha$ ,  $|AB| = 4$  cm,  $|AC| = 9$  cm,  $\sin \alpha = \frac{2}{3}$

olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

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

66

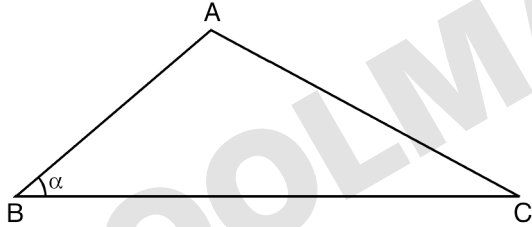


$m(\widehat{ABC}) = \alpha$ ,  $|AB| = 5$  cm,  $|BC| = 8$  cm,  $\sin \alpha = \frac{3}{4}$

olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

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

67

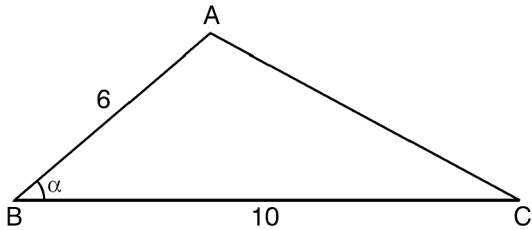


$m(\widehat{ABC}) = \alpha$ ,  $|AB| \cdot |BC| = 24 \text{ cm}^2$ ,  $\sin \alpha = \frac{1}{3}$

olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

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

68



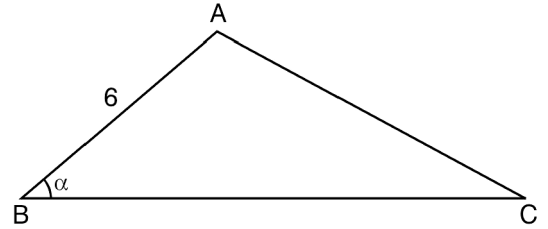
$m(\widehat{ABC}) = \alpha$ ,  $|AB| = 6$  cm,  $|BC| = 10$  cm

$\sin(180^\circ - \alpha) = \frac{2}{5}$  olduğuna göre,

Alan(ABC) kaç  $\text{cm}^2$  dir?

- A) 12      B) 13      C) 15      D) 18      E) 20

69

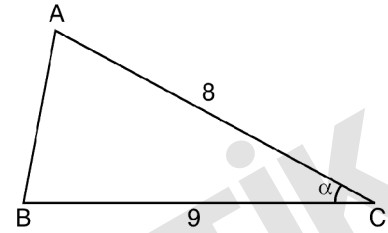


$m(\widehat{ABC}) = \alpha$ ,  $|AB| = 6$  cm,  $\sin \alpha = \frac{2}{3}$

Alan(ABC) =  $18 \text{ cm}^2$  olduğuna göre,  $|BC|$  kaç cm dir?

- A) 6      B) 8      C) 9      D) 12      E) 14

70

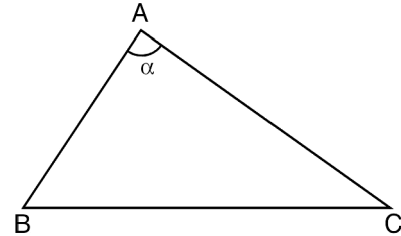


$m(\widehat{ACB}) = \alpha$ ,  $|BC| = 9$  cm,  $|AC| = 8$  cm

Alan(ABC) =  $18 \text{ cm}^2$  olduğuna göre,  $\sin \alpha$  kaçtır?

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

71

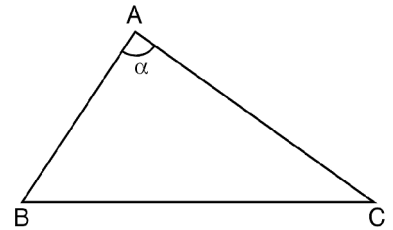


$m(\widehat{BAC}) = \alpha$ ,  $\sin \alpha = \frac{3}{5}$ , Alan(ABC) =  $12 \text{ cm}^2$

olduğuna göre,  $|AB| \cdot |AC|$  çarpımı kaç  $\text{cm}^2$  dir?

- A) 40      B) 48      C) 50      D) 55      E) 60

72

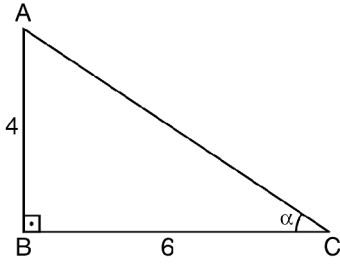


$m(\widehat{BAC}) = \alpha$ ,  $|AB| \cdot |AC| = 132 \text{ cm}^2$ , Alan(ABC) =  $36 \text{ cm}^2$

olduğuna göre,  $\sin \alpha$  kaçtır?

- A)  $\frac{2}{5}$       B)  $\frac{4}{7}$       C)  $\frac{3}{5}$       D)  $\frac{6}{7}$       E)  $\frac{6}{11}$

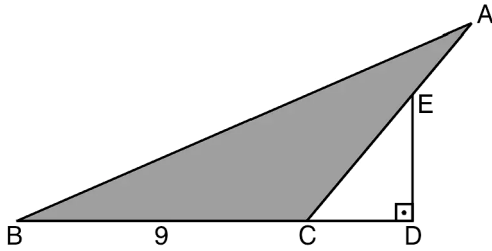
73



$[AB] \perp [BC]$ ,  $m(\widehat{ACB}) = \alpha$ ,  $|AB| = 4$  cm,  $|BC| = 6$  cm  
olduğuna göre,  $\sin \alpha$  kaçtır?

- A)  $\frac{2}{\sqrt{13}}$  B)  $\frac{3}{\sqrt{13}}$  C)  $\frac{2}{3}$  D)  $\frac{1}{3}$  E)  $\frac{1}{2}$

74



$[ED] \perp [BD]$ ,  $|AC| = 8$  cm,  $|BC| = 9$  cm,  $\frac{|ED|}{|EC|} = \frac{3}{4}$   
olduğuna göre,  $\text{Alan}(\triangle ABC)$  kaç  $\text{cm}^2$  dir?

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

75

A, C, E doğrusal

$[AB] \perp [BD]$

$|AC| = |CD| = 6$  cm

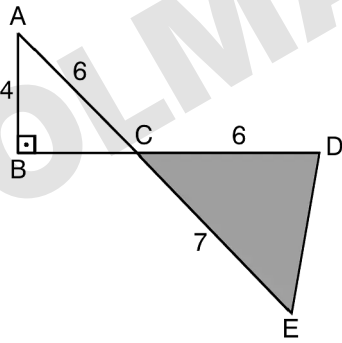
$|AB| = 4$  cm

$|EC| = 7$  cm

olduğuna göre,

$\text{Alan}(\triangle ECD)$

kaç  $\text{cm}^2$  dir?



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

76

$[DE] \perp [AB]$

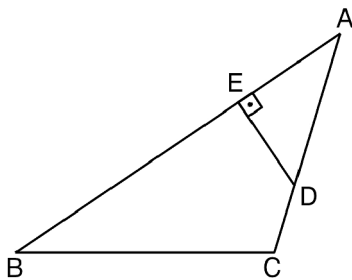
$|AC| = 14$  cm

$|AB| = 24$  cm

$\text{Alan}(\triangle ABC) = 56$   $\text{cm}^2$

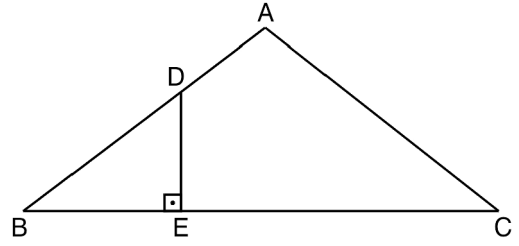
olduğuna göre,

$\frac{|DE|}{|AD|}$  oranı kaçtır?



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

77

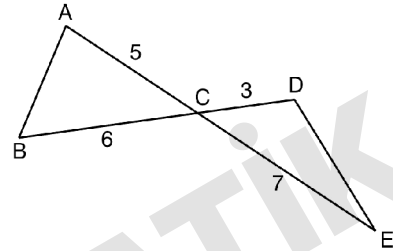


$[DE] \perp [BC]$ ,  $|AB| = 12$  cm,  $|BC| = 25$  cm,  $\frac{|DE|}{|BE|} = \frac{3}{4}$

olduğuna göre,  $\text{Alan}(\triangle ABC)$  kaç  $\text{cm}^2$  dir?

- A) 95 B) 90 C) 84 D) 72 E) 64

78



$[AE] \cap [BD] = \{C\}$ ,  $|AC| = 5$  cm,  $|CD| = 3$  cm

$|BC| = 6$  cm,  $|CE| = 7$  cm olduğına göre,  $\frac{\text{Alan}(\triangle ABC)}{\text{Alan}(\triangle DCE)}$

oranı kaçtır?

- A)  $\frac{6}{7}$  B)  $\frac{5}{7}$  C)  $\frac{5}{3}$  D)  $\frac{10}{7}$  E)  $\frac{10}{9}$

79

ABC üçgen

$|AB| = |AC|$

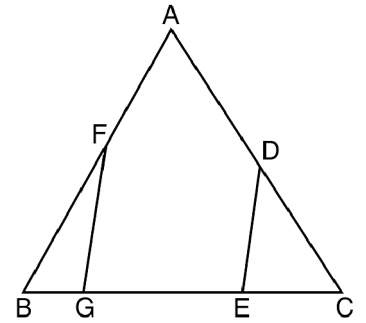
$4|BF| = 5|DC|$

$2|EC| = 3|BG|$

olduğuna göre,

$\frac{\text{Alan}(\triangle BFG)}{\text{Alan}(\triangle DEC)}$

oranı kaçtır?



- A)  $\frac{1}{2}$  B)  $\frac{2}{3}$  C)  $\frac{5}{6}$  D)  $\frac{3}{5}$  E)  $\frac{7}{9}$

80

ABC eşkenar üçgen

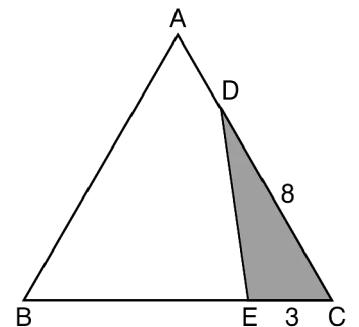
$|DC| = 8$  cm

$|EC| = 3$  cm

olduğuna göre,

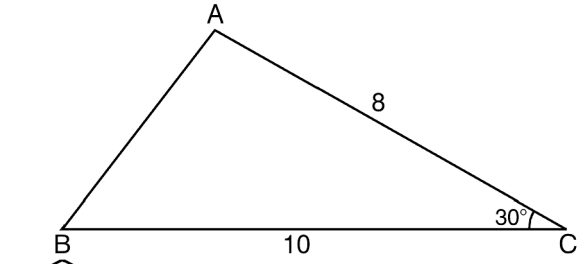
$\text{Alan}(\triangle DEC)$

kaç  $\text{cm}^2$  dir?



- A)  $3\sqrt{3}$  B)  $4\sqrt{3}$  C) 12 D)  $6\sqrt{3}$  E) 18

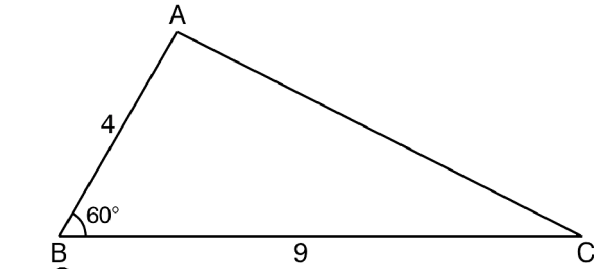
81



$m(\widehat{ACB}) = 30^\circ$ ,  $|AC| = 8$  cm,  $|BC| = 10$  cm  
olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

- A) 20 B) 30 C) 40 D) 50 E) 60

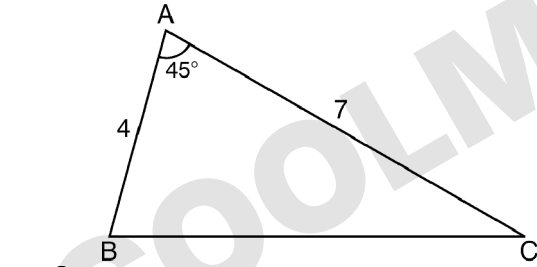
82



$m(\widehat{ABC}) = 60^\circ$ ,  $|AB| = 4$  cm,  $|BC| = 9$  cm  
olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

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

83

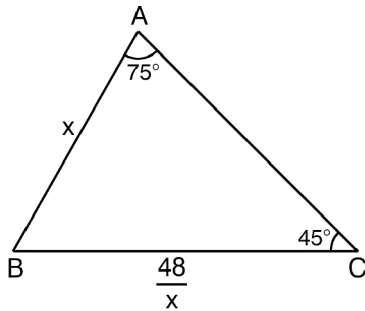


$m(\widehat{BAC}) = 45^\circ$ ,  $|AB| = 4$  cm,  $|AC| = 7$  cm  
olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

- A)  $10\sqrt{3}$  B)  $8\sqrt{2}$  C)  $7\sqrt{3}$  D) 14 E)  $7\sqrt{2}$

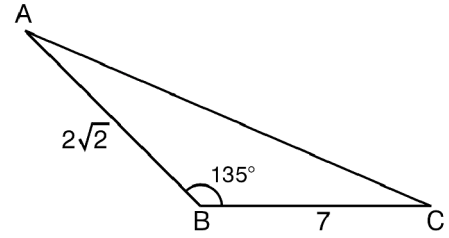
84

$m(\widehat{BAC}) = 75^\circ$   
 $m(\widehat{ACB}) = 45^\circ$   
 $|AB| = x$  cm  
 $|BC| = \frac{48}{x}$  cm  
olduğuna göre,  
Alan(ABC)  
kaç  $\text{cm}^2$  dir?



- A) 12 B)  $12\sqrt{3}$  C)  $16\sqrt{3}$  D) 18 E) 24

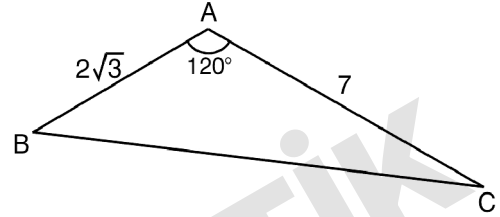
85



$m(\widehat{ABC}) = 135^\circ$ ,  $|AB| = 2\sqrt{2}$  cm,  $|BC| = 7$  cm  
olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

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

86

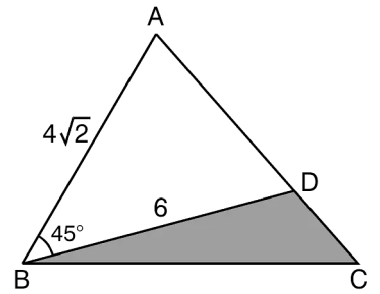


$m(\widehat{BAC}) = 120^\circ$ ,  $|AB| = 2\sqrt{3}$  cm,  $|AC| = 7$  cm  
olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

- A) 19 B) 17 C) 13 D)  $\frac{21}{2}$  E)  $\frac{23}{2}$

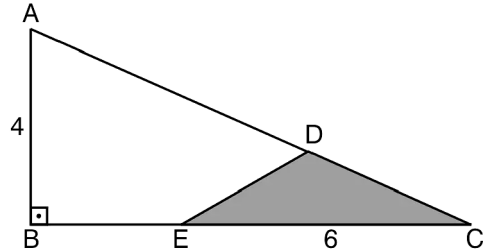
87

ABC üçgen  
 $m(\widehat{ABD}) = 45^\circ$   
 $|AD| = 3|DC|$   
 $|AB| = 4\sqrt{2}$  cm  
 $|BD| = 6$  cm  
olduğuna göre,  
Alan(BDC)  
kaç  $\text{cm}^2$  dir?



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

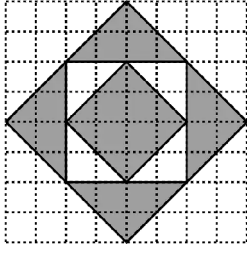
88



$[AB] \perp [BC]$ ,  $\frac{|AC|}{|DC|} = 3$ ,  $|EC| = 6$  cm,  $|AB| = 4$  cm  
olduğuna göre, Alan(DEC) kaç  $\text{cm}^2$  dir?

- A) 3 B) 4 C) 6 D) 8 E) 10

89

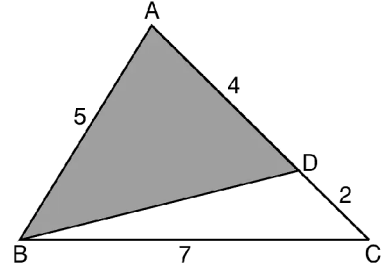


Yukarıdaki şekil birim karelerden oluşmuştur.

Buna göre, taralı bölgelerin alanları toplamı kaç  $\text{br}^2$  dir?

- A) 32 B) 28 C) 24 D) 20 E) 16

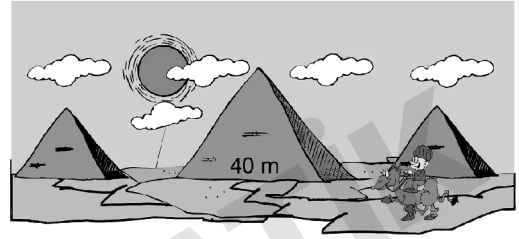
93



ABC üçgen,  $|AB|=5$  cm,  $|AD|=4$  cm,  $|DC|=2$  cm  
 $|BC|=7$  cm olduğuna göre, Alan(ABD) kaç  $\text{cm}^2$  dir?

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

94

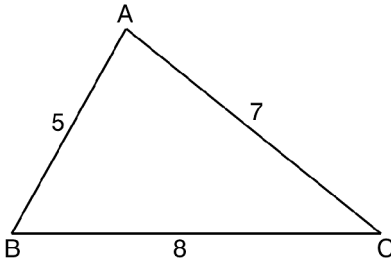


Şekilde üç yüzeyi de eşkenar üçgen olan bir piramit verilmiştir.

Taban uzunluğu 40 m olan piramidin üç yüzeyinin toplam alanı kaç  $\text{m}^2$  dir?

- A) 4000 B) 4600 C) 4800 D)  $1200\sqrt{3}$  E)  $1600\sqrt{3}$

90



$|AB|=5$  cm,  $|AC|=7$  cm,  $|BC|=8$  cm

olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

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

91

$|AB|=9$  cm

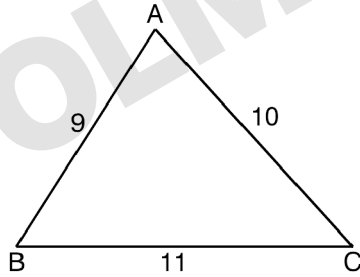
$|AC|=10$  cm

$|BC|=11$  cm

olduğuna göre,

Alan(ABC)

kaç  $\text{cm}^2$  dir?



- A) 24 B) 30 C) 45 D)  $25\sqrt{2}$  E)  $30\sqrt{2}$

92

ABC üçgen

$|BD|=|DC|=4$  cm

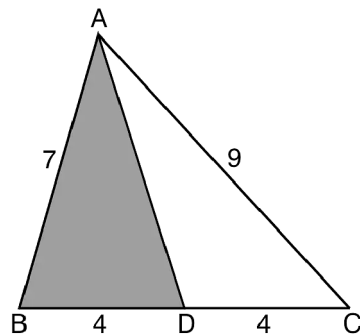
$|AB|=7$  cm

$|AC|=9$  cm

olduğuna göre,

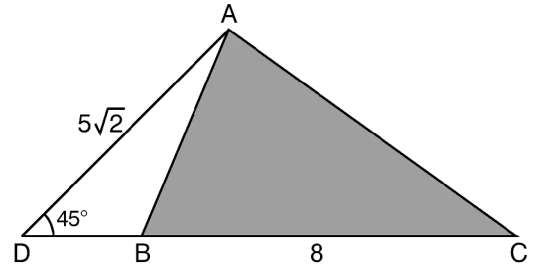
Alan(ABD)

kaç  $\text{cm}^2$  dir?



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

95



$m(\widehat{ADC})=45^\circ$ ,  $|BC|=8$  cm,  $|AD|=5\sqrt{2}$  cm

olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

- A) 10 B) 20 C) 30 D) 40 E) 50

96

ABC üçgen

$[DE] \perp [AC]$

$|BD|=2|DC|$

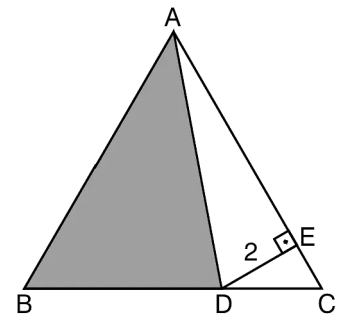
$|AC|=5$  cm

$|DE|=2$  cm

olduğuna göre,

Alan(ABD)

kaç  $\text{cm}^2$  dir?



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

97 ABC eşkenar üçgen

$$[DF] \perp [AB]$$

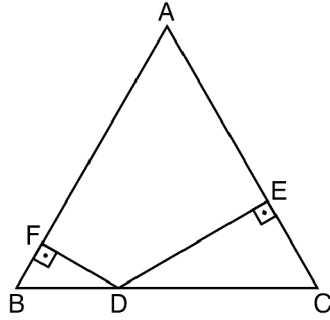
$$[DE] \perp [AC]$$

$$|DF| + |DE| = 2\sqrt{3} \text{ cm}$$

olduğuna göre,

Alan(ABC)

kaç  $\text{cm}^2$  dir?



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

98  $[AE] \perp [BC]$

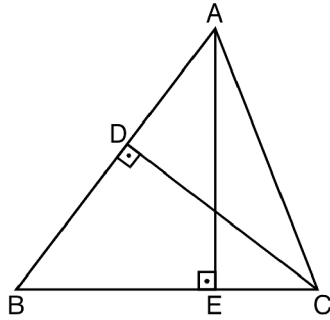
$$[CD] \perp [AB]$$

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

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

olduğuna göre,

$\frac{|BC|}{|AB|}$  oranı kaçtır?



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

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

$$[AB] \perp [BC]$$

$$[DC] \perp [BC]$$

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

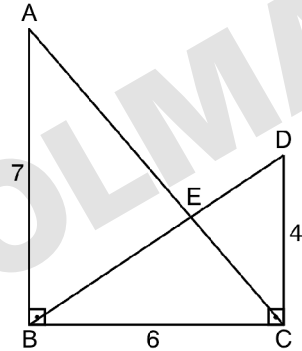
$$|BC| = 6 \text{ cm}$$

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

olduğuna göre,

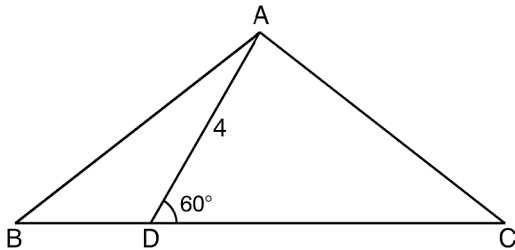
Alan(ABE)–Alan(DEC)

farkı kaç  $\text{cm}^2$  dir?



- A) 9 B) 12 C) 15 D) 18 E) 21

100

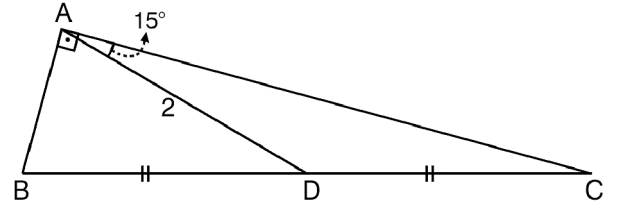


$$m(\widehat{ADC}) = 60^\circ, |AD| = 4 \text{ cm}, |BC| = 9 \text{ cm}$$

olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

- A) 18 B)  $6\sqrt{3}$  C)  $9\sqrt{3}$  D) 27 E)  $12\sqrt{3}$

101

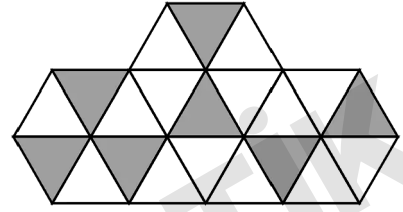


$$[AB] \perp [AC], m(\widehat{DAC}) = 15^\circ, |BD| = |DC|, |AD| = 2 \text{ cm}$$

olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

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

102



Yukarıdaki şekil eşkenar üçgenlerden oluşmuştur.

Şeklin çevresi 52 cm olduğuna göre, taralı bölge-  
lerin alanları toplamı kaç  $\text{cm}^2$  dir?

- A) 18 B) 24 C)  $18\sqrt{3}$  D)  $24\sqrt{3}$  E)  $28\sqrt{3}$

103

ABC eşkenar üçgen

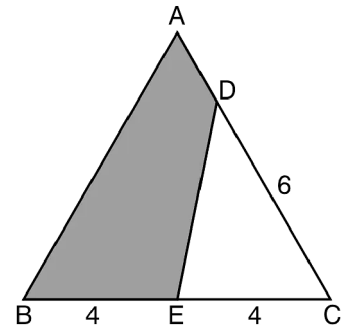
$$|BE| = |EC| = 4 \text{ cm}$$

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

olduğuna göre,

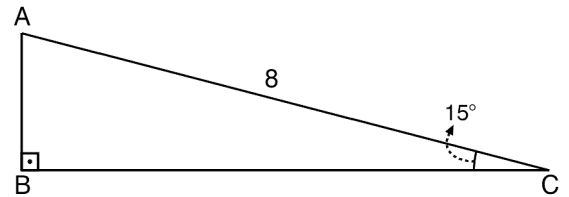
Alan(ABED)

kaç  $\text{cm}^2$  dir?



- A)  $10\sqrt{3}$  B)  $12\sqrt{3}$  C)  $16\sqrt{3}$  D) 18 E) 24

104

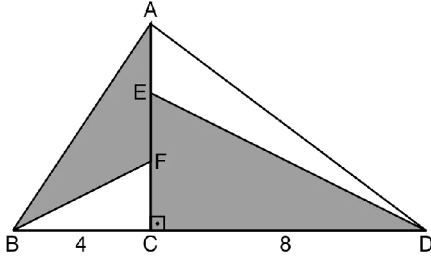


$$[AB] \perp [BC], m(\widehat{ACB}) = 15^\circ, |AC| = 8 \text{ cm}$$

olduğuna göre, Alan(ABC) kaç  $\text{cm}^2$  dir?

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

105

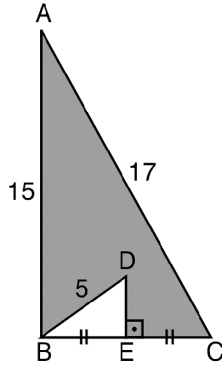


$[AC] \perp [BD]$ ,  $|BC| = 4$  cm,  $|DC| = 8$  cm,  $|AC| = 6$  cm  
 $\text{Alan}(BFC) = \text{Alan}(AED)$  olduğuna göre,  
 $\text{Alan}(DEC) - \text{Alan}(AFB)$  farkı kaç  $\text{cm}^2$  dir?

- A) 12 B) 14 C) 18 D) 20 E) 24

106

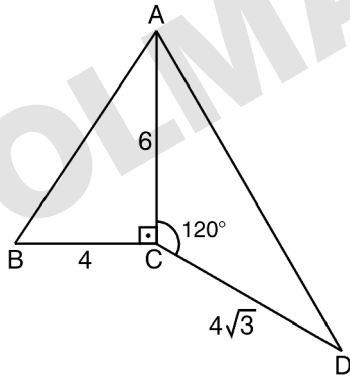
$[AB] \parallel [DE]$   
 $[DE] \perp [BC]$   
 $|BE| = |EC|$   
 $|AB| = 15$  cm  
 $|AC| = 17$  cm  
 $|BD| = 5$  cm  
 olduğuna göre,  
 taralı bölgenin alanı  
 kaç  $\text{cm}^2$  dir?



- A) 40 B) 44 C) 48 D) 50 E) 54

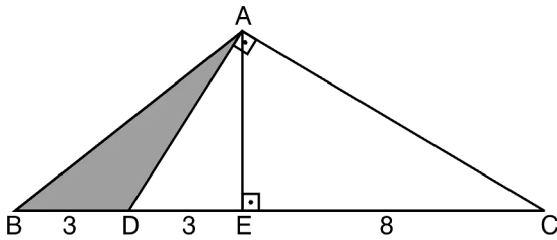
107

$[AC] \perp [BC]$   
 $m(\widehat{ACD}) = 120^\circ$   
 $|AC| = 6$  cm  
 $|BC| = 4$  cm  
 $|DC| = 4\sqrt{3}$  cm  
 olduğuna göre,  
 $\text{Alan}(ABCD)$   
 kaç  $\text{cm}^2$  dir?



- A) 35 B) 30 C) 24 D) 20 E) 18

108

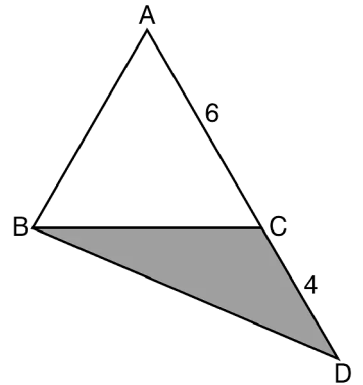


$[AD] \perp [AC]$ ,  $[AE] \perp [BC]$ ,  $|BD| = |DE| = 3$  cm  
 $|EC| = 8$  cm olduğuna göre,  $\text{Alan}(ABD)$  kaç  $\text{cm}^2$  dir?

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

109

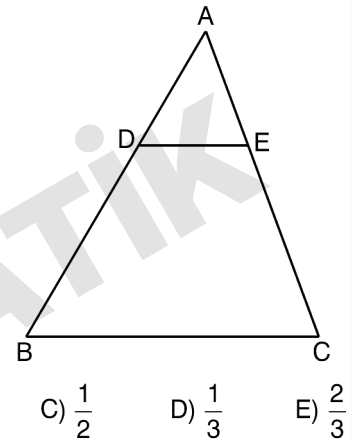
ABC eşkenar üçgen  
 A, C, D doğrusal  
 $|AC| = 6$  cm  
 $|CD| = 4$  cm  
 olduğuna göre,  
 $\text{Alan}(BCD)$   
 kaç  $\text{cm}^2$  dir?



- A) 12 B)  $9\sqrt{3}$  C)  $8\sqrt{2}$  D)  $6\sqrt{3}$  E)  $6\sqrt{2}$

110

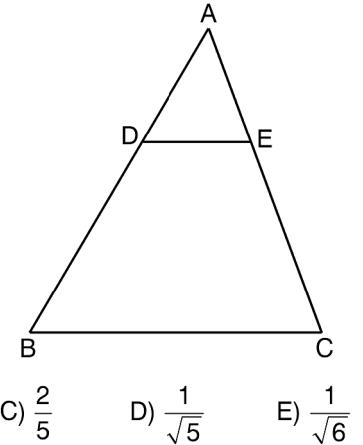
ABC üçgen  
 $[DE] \parallel [BC]$   
 $\text{Alan}(ADE) = 12$   $\text{cm}^2$   
 $\text{Alan}(ABC) = 36$   $\text{cm}^2$   
 olduğuna göre,  
 $\frac{|AE|}{|AC|}$  oranı kaçtır?



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

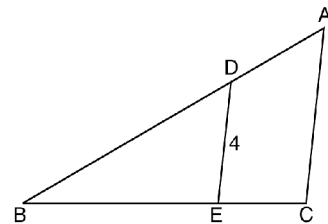
111

ABC üçgen  
 $[DE] \parallel [BC]$   
 $\text{Alan}(ADE) = 4$   $\text{cm}^2$   
 $\text{Alan}(BCED) = 20$   $\text{cm}^2$   
 olduğuna göre,  
 $\frac{|DE|}{|BC|}$  oranı kaçtır?



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

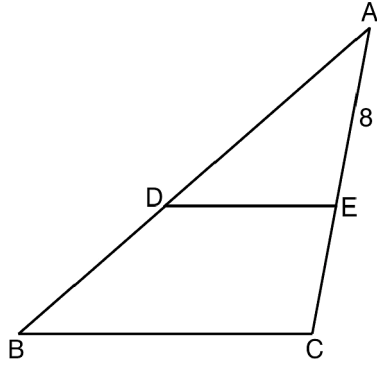
112



ABC üçgen,  $[AC] \parallel [DE]$ ,  $\text{Alan}(BDE) = 2\text{Alan}(ADEC)$   
 $|DE| = 4$  cm olduğuna göre,  $|AC|$  kaç cm dir?

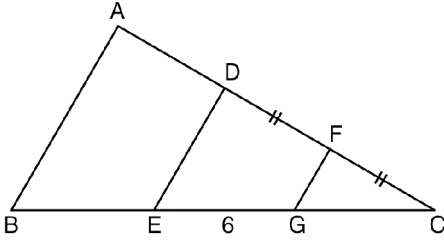
- A)  $2\sqrt{6}$  B)  $2\sqrt{5}$  C) 5 D) 6 E) 8

- 113 ABC üçgen  
 $[DE] \parallel [BC]$   
 $\frac{\text{Alan}(ADE)}{\text{Alan}(BCED)} = \frac{4}{5}$   
 $|AE| = 8$  cm  
**olduğuna göre,**  
 **$|EC|$  kaç cm dir?**



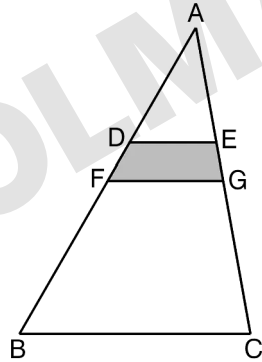
- A) 2 B) 3 C) 4 D) 5 E) 6

- 114 ABC üçgen,  $[AB] \parallel [DE] \parallel [FG]$ ,  $|DF| = |FC|$   
 $\frac{\text{Alan}(ABED)}{\text{Alan}(DEGF)} = \frac{5}{3}$ ,  $|EG| = 6$  cm **olduğuna göre,**  
 **$|BC|$  kaç cm dir?**



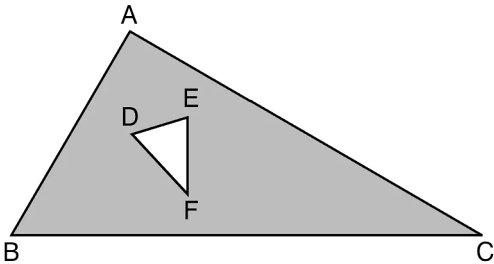
- A) 12 B) 15 C) 18 D) 21 E) 24

- 115 ABC üçgen  
 $[DE] \parallel [FG] \parallel [BC]$   
 $2|BF| = 3|AD| = 6|DF|$   
 $\text{Alan}(DEGF) = 10$  cm<sup>2</sup>  
**olduğuna göre,**  
 **$\text{Alan}(ABC)$**   
**kaç cm<sup>2</sup> dir?**



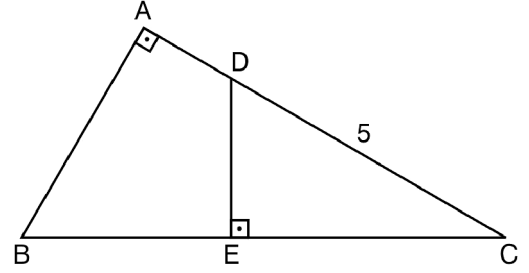
- A) 56 B) 60 C) 64 D) 68 E) 72

- 116  $\triangle ABC \sim \triangle DEF$ ,  $|AB| = 5|DE|$ ,  $\text{Alan}(DEF) = 3$  cm<sup>2</sup>  
**olduğuna göre, taralı bölgenin alanı kaç cm<sup>2</sup> dir?**



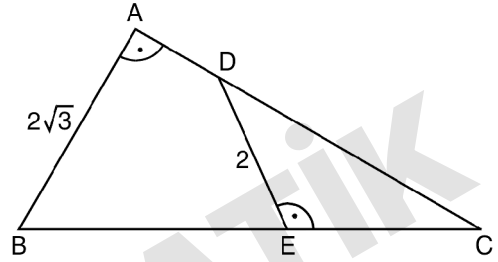
- A) 66 B) 69 C) 72 D) 75 E) 78

- 117  $[AB] \perp [AC]$ ,  $[DE] \perp [BC]$ ,  $\text{Alan}(ABED) = \text{Alan}(DEC)$   
 $|DC| = 5$  cm **olduğuna göre,  $|BC|$  kaç cm dir?**



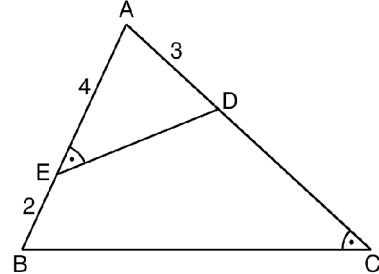
- A)  $5\sqrt{2}$  B) 6 C) 8 D) 10 E)  $10\sqrt{2}$

- 118  $m(\widehat{BAC}) = m(\widehat{DEC})$ ,  $|DE| = 2$  cm,  $|AB| = 2\sqrt{3}$  cm  
 $\text{Alan}(DEC) = 9$  cm<sup>2</sup> **olduğuna göre,**  
 **$\text{Alan}(ABC)$  kaç cm<sup>2</sup> dir?**



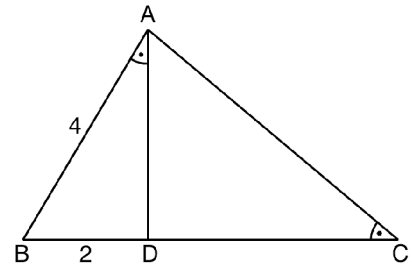
- A) 18 B) 21 C) 24 D) 27 E) 30

- 119  $m(\widehat{AED}) = m(\widehat{ACB})$ ,  $|AE| = 4$  cm,  $|AD| = 3$  cm  
 $|BE| = 2$  cm **olduğuna göre,**  $\frac{\text{Alan}(AED)}{\text{Alan}(ABC)}$  **oranı kaçtır?**



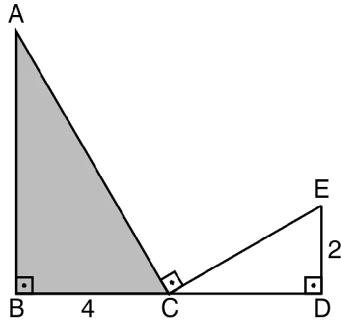
- A)  $\frac{1}{2}$  B)  $\frac{1}{3}$  C)  $\frac{1}{4}$  D)  $\frac{1}{6}$  E)  $\frac{1}{9}$

- 120  $m(\widehat{BAD}) = m(\widehat{ACB})$ ,  $|BD| = 2$  cm,  $|AB| = 4$  cm  
**olduğuna göre,**  $\frac{\text{Alan}(ABD)}{\text{Alan}(ADC)}$  **oranı kaçtır?**



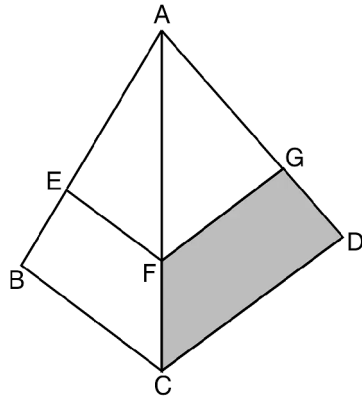
- A)  $\frac{2}{5}$  B)  $\frac{3}{5}$  C)  $\frac{1}{2}$  D)  $\frac{2}{3}$  E)  $\frac{1}{3}$

- 121  $[AB] \perp [BD]$   
 $[AC] \perp [CE]$   
 $[ED] \perp [BD]$   
 $|ED| = 2 \text{ cm}$   
 $|BC| = 4 \text{ cm}$   
 $\text{Alan}(ECD) = 3 \text{ cm}^2$   
**olduğuna göre,**  
**Alan(ABC)**  
**kaç  $\text{cm}^2$  dir?**



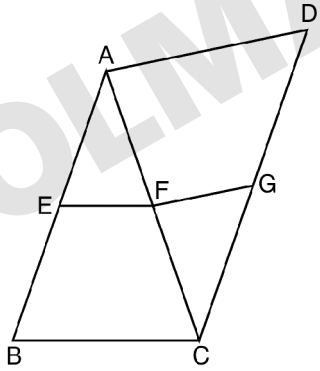
- A) 21 B) 18 C) 15 D) 12 E) 9

- 122 ABC ve ACD üçgen  
 $[EF] \parallel [BC]$   
 $[FG] \parallel [CD]$   
 $|AE| = 2|BE|$   
 $\text{Alan}(AFG) = 12 \text{ cm}^2$   
**olduğuna göre,**  
**Alan(CDGF)**  
**kaç  $\text{cm}^2$  dir?**



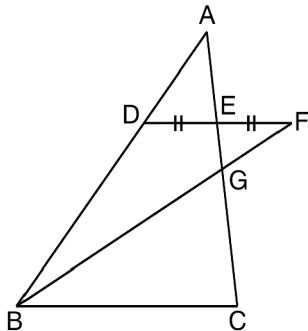
- A) 12 B) 15 C) 18 D) 21 E) 24

- 123 ABC ve ACD üçgen  
 $[EF] \parallel [BC]$   
 $[FG] \parallel [AD]$   
 $2|AE| = 3|BE|$   
**olduğuna göre,**  
 $\frac{\text{Alan}(AFGD)}{\text{Alan}(CFG)}$   
**oranı kaçtır?**



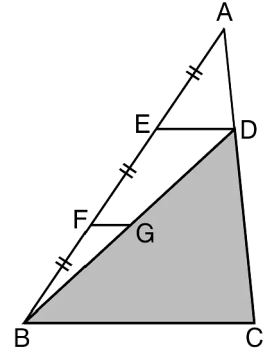
- A)  $\frac{21}{4}$  B)  $\frac{25}{4}$  C)  $\frac{17}{3}$  D)  $\frac{17}{2}$  E)  $\frac{9}{2}$

- 124 ABC ve BDF üçgen  
 $[DF] \parallel [BC]$   
 $|DE| = |EF|$   
 $|GC| = 3|EG|$   
 $\text{Alan}(AED) = 4 \text{ cm}^2$   
**olduğuna göre,**  
**Alan(ABC)**  
**kaç  $\text{cm}^2$  dir?**



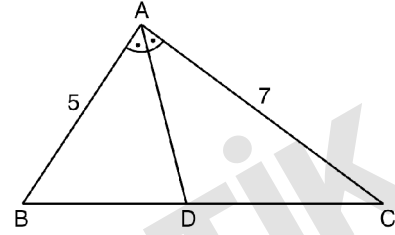
- A) 12 B) 16 C) 20 D) 28 E) 36

- 125 ABC ve BDC üçgen  
 $[ED] \parallel [FG] \parallel [BC]$   
 $|AE| = |EF| = |BF|$   
 $\text{Alan}(BFG) = 2 \text{ cm}^2$   
**olduğuna göre,**  
**Alan(BDC)**  
**kaç  $\text{cm}^2$  dir?**



- A) 16 B) 18 C) 20 D) 22 E) 24

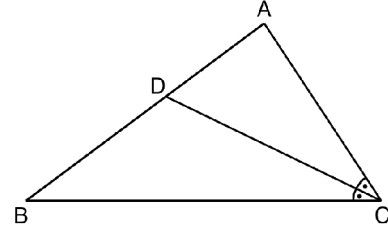
126



- ABC üçgen,  $m(\widehat{BAD}) = m(\widehat{DAC})$ ,  $|AB| = 5 \text{ cm}$   
 $|AC| = 7 \text{ cm}$ , **olduğuna göre,**  $\frac{\text{Alan}(ABD)}{\text{Alan}(ADC)}$   
**oranı kaçtır?**

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

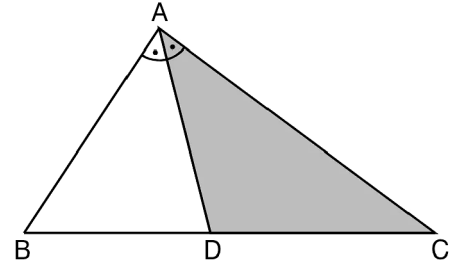
127



- ABC üçgen,  $m(\widehat{ACD}) = m(\widehat{DCB})$ ,  $\text{Alan}(ADC) = 16 \text{ cm}^2$   
 $\text{Alan}(BDC) = 24 \text{ cm}^2$ , **olduğuna göre,**  $\frac{|AC|}{|BC|}$   
**oranı kaçtır?**

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

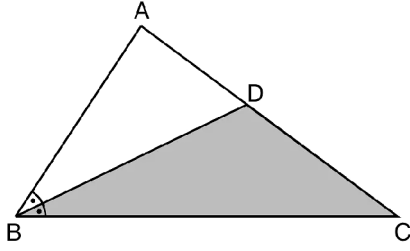
128



- $m(\widehat{BAD}) = m(\widehat{DAC})$ ,  $3|AC| = 5|AB|$ ,  $\text{Alan}(ABC) = 24 \text{ cm}^2$   
**olduğuna göre, Alan(ADC) kaç  $\text{cm}^2$  dir?**

- A) 9 B) 10 C) 12 D) 15 E) 18

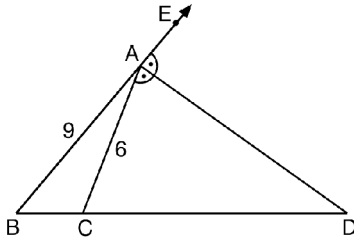
129



ABC üçgen,  $m(\widehat{ABD}) = m(\widehat{DBC})$ ,  $|BC| = 3|AB|$   
 $\text{Alan}(\triangle ABD) = (x+2) \text{ cm}^2$ ,  $\text{Alan}(\triangle BDC) = (4x+3) \text{ cm}^2$   
**olduğuna göre, Alan(BDC) kaç  $\text{cm}^2$  dir?**

- A) 18 B) 15 C) 12 D) 10 E) 9

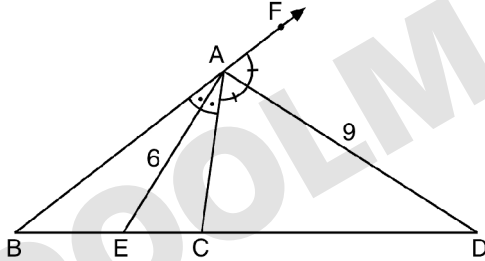
130



ABC üçgen, B, A, E doğrusal,  $m(\widehat{DAC}) = m(\widehat{DAE})$   
 $|AB| = 9 \text{ cm}$ ,  $|AC| = 6 \text{ cm}$ , **olduğuna göre,**  
 $\frac{\text{Alan}(\triangle ABC)}{\text{Alan}(\triangle ADC)}$  **oranı kaçtır?**

- A)  $\frac{4}{5}$  B)  $\frac{3}{5}$  C)  $\frac{1}{2}$  D)  $\frac{2}{5}$  E)  $\frac{3}{10}$

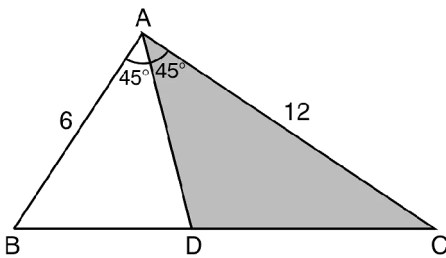
131



ABD üçgen, B, A, F doğrusal,  $[AE]$  ve  $[AD]$  açıortay  
 $|AE| = 6 \text{ cm}$ ,  $|AD| = 9 \text{ cm}$  **olduğuna göre,**  
**Alan(AED) kaç  $\text{cm}^2$  dir?**

- A) 48 B) 45 C) 36 D) 30 E) 27

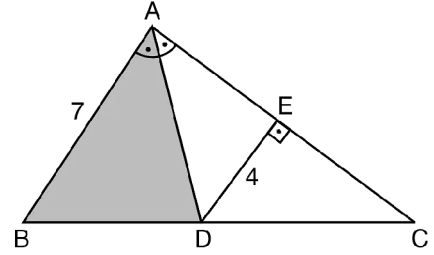
132



ABC üçgen,  $m(\widehat{BAD}) = m(\widehat{DAC}) = 45^\circ$ ,  $|AB| = 6 \text{ cm}$   
 $|AC| = 12 \text{ cm}$  **olduğuna göre,**  
**Alan(ADC) kaç  $\text{cm}^2$  dir?**

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

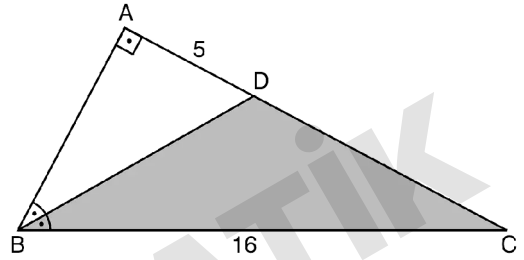
133



ABC üçgen,  $[DE] \perp [AC]$ ,  $m(\widehat{BAD}) = m(\widehat{DAC})$   
 $|DE| = 4 \text{ cm}$ ,  $|AB| = 7 \text{ cm}$  **olduğuna göre,**  
**Alan(ABD) kaç  $\text{cm}^2$  dir?**

- A) 14 B) 18 C) 21 D) 24 E) 27

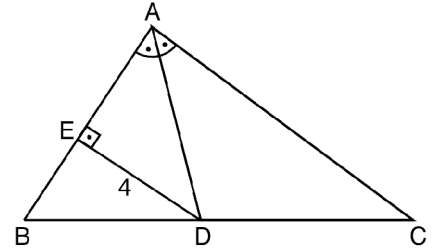
134



$[AB] \perp [AC]$ ,  $m(\widehat{ABD}) = m(\widehat{DBC})$ ,  $|AD| = 5 \text{ cm}$   
 $|BC| = 16 \text{ cm}$  **olduğuna göre,**  
**Alan(BDC) kaç  $\text{cm}^2$  dir?**

- A) 24 B) 27 C) 32 D) 36 E) 40

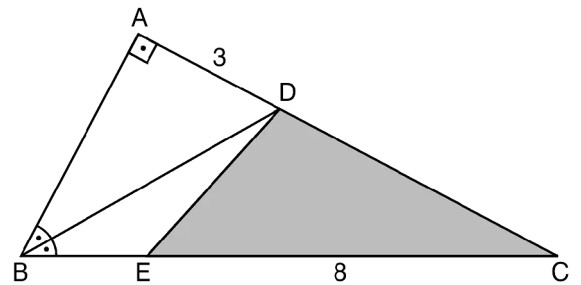
135



$[DE] \perp [AB]$ ,  $m(\widehat{BAD}) = m(\widehat{DAC})$ ,  $|DE| = 4 \text{ cm}$   
 $|AB| + |AC| = 15 \text{ cm}$  **olduğuna göre,**  
**Alan(ABC) kaç  $\text{cm}^2$  dir?**

- A) 30 B) 27 C) 24 D) 21 E) 20

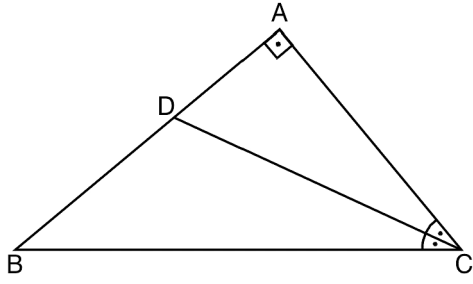
136



$[AB] \perp [AC]$ ,  $m(\widehat{ABD}) = m(\widehat{DBC})$ ,  $|AD| = 3 \text{ cm}$   
 $|EC| = 8 \text{ cm}$  **olduğuna göre, Alan(DEC) kaç  $\text{cm}^2$  dir?**

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

137

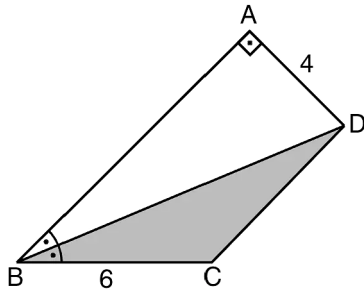


$[AB] \perp [AC]$ ,  $m(\widehat{ACD}) = m(\widehat{DCB})$ ,  $\text{Alan}(BDC) = 20 \text{ cm}^2$   
olduğuna göre,  $|AD| \cdot |BC|$  çarpımı kaç  $\text{cm}^2$  dir?

- A) 20 B) 24 C) 30 D) 36 E) 40

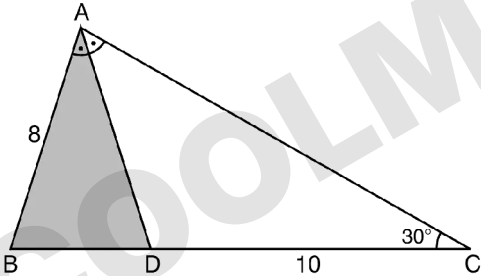
138

$[AB] \perp [AD]$   
 $m(\widehat{ABD}) = m(\widehat{DBC})$   
 $|AD| = 4 \text{ cm}$   
 $|BC| = 6 \text{ cm}$   
olduğuna göre,  
 $\text{Alan}(BCD)$   
kaç  $\text{cm}^2$  dir?



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

139

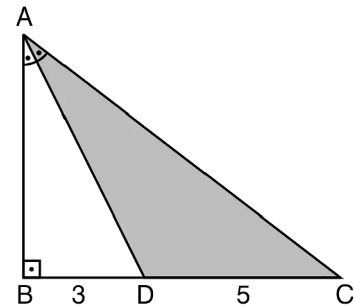


$m(\widehat{ACB}) = 30^\circ$ ,  $m(\widehat{BAD}) = m(\widehat{DAC})$ ,  $|AB| = 8 \text{ cm}$   
 $|DC| = 10 \text{ cm}$  olduğuna göre,  $\text{Alan}(ABD)$  kaç  $\text{cm}^2$  dir?

- A) 20 B) 40 C) 50 D) 60 E) 80

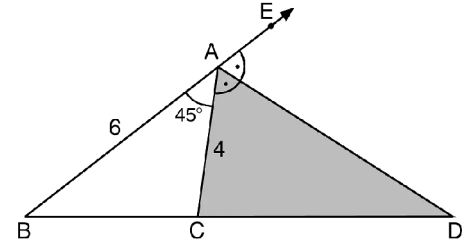
140

$[AB] \perp [BC]$   
 $m(\widehat{BAD}) = m(\widehat{DAC})$   
 $|BD| = 3 \text{ cm}$   
 $|DC| = 5 \text{ cm}$   
olduğuna göre,  
 $\text{Alan}(ADC)$   
kaç  $\text{cm}^2$  dir?



- A) 30 B) 27 C) 24 D) 15 E) 12

141

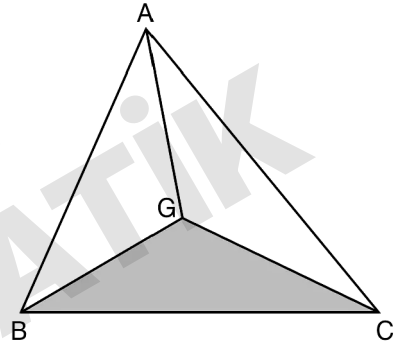


ABD üçgen, B, A, E doğrusal,  $m(\widehat{DAC}) = m(\widehat{DAE})$   
 $m(\widehat{BAC}) = 45^\circ$ ,  $|AB| = 6 \text{ cm}$ ,  $|AC| = 4 \text{ cm}$   
olduğuna göre,  $\text{Alan}(ACD)$  kaç  $\text{cm}^2$  dir?

- A)  $9\sqrt{2}$  B)  $10\sqrt{2}$  C)  $12\sqrt{2}$  D)  $15\sqrt{2}$  E)  $24\sqrt{2}$

142

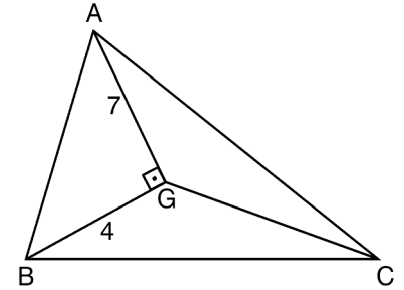
G noktası  
ABC üçgeninin  
ağırlık merkezi,  
 $\text{Alan}(ABC) = 48 \text{ cm}^2$   
olduğuna göre,  
 $\text{Alan}(BGC)$   
kaç  $\text{cm}^2$  dir?



- A) 24 B) 21 C) 18 D) 16 E) 15

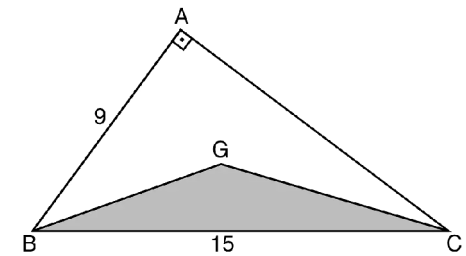
143

G noktası  
ABC üçgeninin  
ağırlık merkezi  
 $[AG] \perp [BG]$   
 $|AG| = 7 \text{ cm}$   
 $|BG| = 4 \text{ cm}$   
olduğuna göre,  
 $\text{Alan}(ABC)$  kaç  $\text{cm}^2$  dir?



- A) 35 B) 36 C) 42 D) 45 E) 56

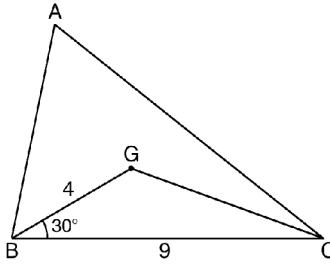
144



G noktası ABC üçgeninin ağırlık merkezi,  $[AB] \perp [AC]$   
 $|AB| = 9 \text{ cm}$ ,  $|BC| = 15 \text{ cm}$  olduğuna göre,  
 $\text{Alan}(BGC)$  kaç  $\text{cm}^2$  dir?

- A) 18 B) 21 C) 24 D) 27 E) 36

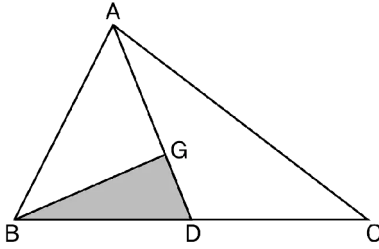
145



G noktası ABC üçgeninin ağırlık merkezi,  $m(\widehat{GBC}) = 30^\circ$   
 $|BG| = 4$  cm,  $|BC| = 9$  cm olduğuna göre,  
**Alan(ABC) kaç  $\text{cm}^2$  dir?**

- A) 18 B) 21 C) 24 D) 27 E) 30

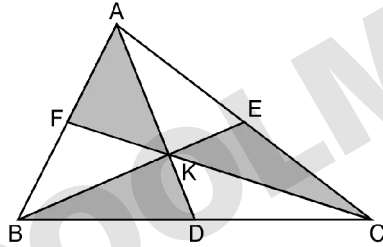
146



G noktası ABC üçgeninin ağırlık merkezi  
 Alan(ADC) =  $24 \text{ cm}^2$  olduğuna göre,  
**Alan(BGD) kaç  $\text{cm}^2$  dir?**

- A) 6 B) 8 C) 9 D) 10 E) 12

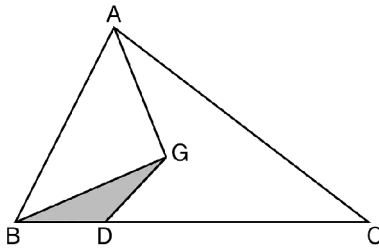
147



ABC üçgen, [AD], [BE] ve [CF] kenarortay  
 Alan(AKE) =  $9 \text{ cm}^2$  olduğuna göre, taralı bölgelerin  
 alanları toplamı kaç  $\text{cm}^2$  dir?

- A) 36 B) 27 C) 24 D) 21 E) 18

148

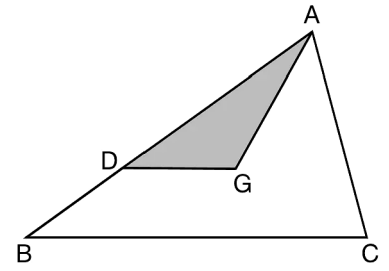


G noktası ABC üçgeninin ağırlık merkezi,  
 $|DC| = 4|BD|$ , Alan(ABG) =  $30 \text{ cm}^2$   
 olduğuna göre, **Alan(BGD) kaç  $\text{cm}^2$  dir?**

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

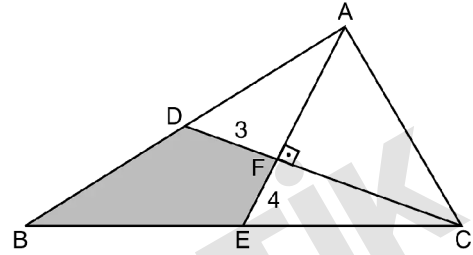
149

G noktası  
 ABC üçgeninin  
 ağırlık merkezi,  
 $|AD| = 3|BD|$   
 Alan(ABC) =  $64 \text{ cm}^2$   
 olduğuna göre,  
**Alan(AGD) kaç  $\text{cm}^2$  dir?**



- A) 9 B) 10 C) 12 D) 15 E) 16

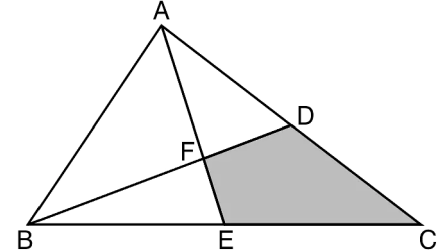
150



ABC üçgen, [AE] ve [CD] kenarortay,  $m(\widehat{AFC}) = 90^\circ$   
 $|EF| = 4$  cm,  $|DF| = 3$  cm olduğuna göre,  
**Alan(BDFE) kaç  $\text{cm}^2$  dir?**

- A) 12 B) 16 C) 18 D) 21 E) 24

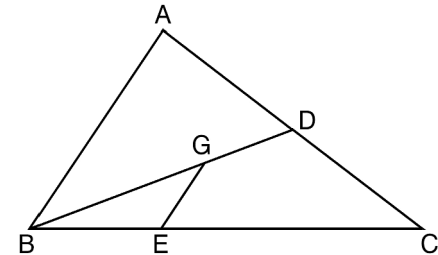
151



ABC üçgen, [AE] ve [BD] kenarortay  
 Alan(AFD) =  $18 \text{ cm}^2$  olduğuna göre,  
**Alan(DCEF) kaç  $\text{cm}^2$  dir?**

- A) 24 B) 27 C) 36 D) 45 E) 54

152

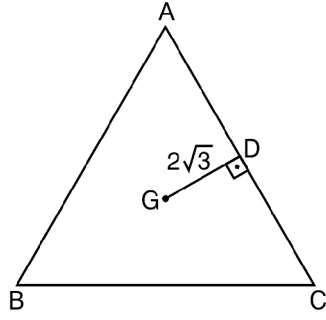


G noktası, ABC üçgeninin ağırlık merkezi,  
 $|EC| = 3|BE|$ , Alan(BEG) =  $6 \text{ cm}^2$   
 olduğuna göre, **Alan(ABD) kaç  $\text{cm}^2$  dir?**

- A) 27 B) 36 C) 40 D) 42 E) 45

153

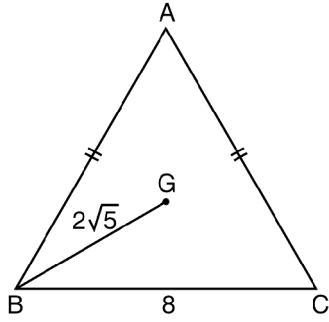
G noktası  
ABC eşkenar  
üçgeninin  
ağırlık merkezi,  
[GD] ⊥ [AC]  
|GD| =  $2\sqrt{3}$  cm  
olduğuna göre,  
**Alan(ABC)**  
kaç  $\text{cm}^2$  dir?



- A)  $18\sqrt{3}$  B)  $21\sqrt{3}$  C)  $24\sqrt{3}$  D)  $36\sqrt{3}$  E)  $40\sqrt{3}$

154

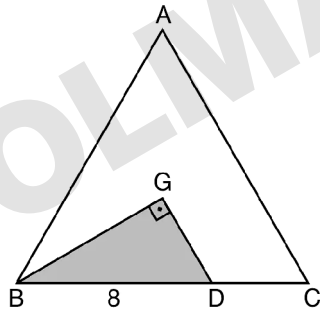
G noktası  
ABC üçgeninin  
ağırlık merkezi  
|AB| = |AC|  
|BC| = 8 cm  
|BG| =  $2\sqrt{5}$  cm  
olduğuna göre,  
**Alan(ABC)**  
kaç  $\text{cm}^2$  dir?



- A) 24 B) 25 C) 27 D) 30 E) 36

155

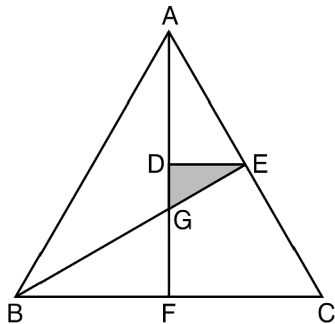
G noktası  
ABC eşkenar  
üçgeninin  
ağırlık merkezi  
[GB] ⊥ [GD]  
|BD| = 8 cm  
olduğuna göre,  
**Alan(BGD)**  
kaç  $\text{cm}^2$  dir?



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

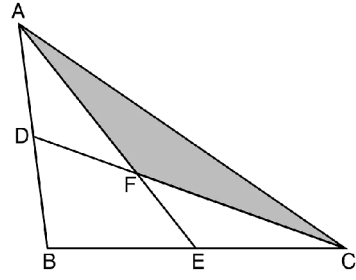
156

ABC üçgen  
[AF] ve [BE]  
kenarortay  
[DE] // [BC]  
Alan(ADE) =  $18 \text{ cm}^2$   
olduğuna göre,  
**Alan(DEG)**  
kaç  $\text{cm}^2$  dir?



- A) 12 B) 10 C) 9 D) 8 E) 6

157



ABC üçgen, [AE] ve [CD] kenarortay  
Alan(FEC) =  $6 \text{ cm}^2$  olduğuna göre, **Alan(AFC)**  
kaç  $\text{cm}^2$  dir?

- A) 9 B) 10 C) 12 D) 15 E) 18



## CEVAP ANAHTARI

| No  | Cevap | No  | Cevap | No   | Cevap | No   | Cevap |
|-----|-------|-----|-------|------|-------|------|-------|
| 1.  | B     | 41. | A     | 81.  | A     | 121. | D     |
| 2.  | A     | 42. | D     | 82.  | D     | 122. | B     |
| 3.  | A     | 43. | A     | 83.  | E     | 123. | A     |
| 4.  | D     | 44. | B     | 84.  | B     | 124. | E     |
| 5.  | C     | 45. | B     | 85.  | C     | 125. | E     |
| 6.  | E     | 46. | A     | 86.  | D     | 126. | C     |
| 7.  | B     | 47. | C     | 87.  | A     | 127. | A     |
| 8.  | D     | 48. | B     | 88.  | B     | 128. | D     |
| 9.  | D     | 49. | D     | 89.  | C     | 129. | B     |
| 10. | B     | 50. | C     | 90.  | E     | 130. | C     |
| 11. | C     | 51. | A     | 91.  | E     | 131. | E     |
| 12. | E     | 52. | B     | 92.  | A     | 132. | D     |
| 13. | A     | 53. | E     | 93.  | B     | 133. | A     |
| 14. | E     | 54. | E     | 94.  | D     | 134. | E     |
| 15. | C     | 55. | C     | 95.  | B     | 135. | A     |
| 16. | E     | 56. | D     | 96.  | D     | 136. | B     |
| 17. | A     | 57. | A     | 97.  | C     | 137. | E     |
| 18. | B     | 58. | B     | 98.  | B     | 138. | E     |
| 19. | C     | 59. | B     | 99.  | A     | 139. | A     |
| 20. | B     | 60. | D     | 100. | C     | 140. | D     |
| 21. | C     | 61. | B     | 101. | D     | 141. | C     |
| 22. | A     | 62. | D     | 102. | E     | 142. | D     |
| 23. | C     | 63. | A     | 103. | A     | 143. | C     |
| 24. | D     | 64. | C     | 104. | C     | 144. | A     |
| 25. | B     | 65. | B     | 105. | A     | 145. | D     |
| 26. | E     | 66. | D     | 106. | E     | 146. | B     |
| 27. | C     | 67. | E     | 107. | B     | 147. | B     |
| 28. | A     | 68. | A     | 108. | D     | 148. | A     |
| 29. | B     | 69. | C     | 109. | D     | 149. | E     |
| 30. | E     | 70. | B     | 110. | B     | 150. | E     |
| 31. | D     | 71. | A     | 111. | E     | 151. | C     |
| 32. | A     | 72. | E     | 112. | A     | 152. | B     |
| 33. | A     | 73. | A     | 113. | C     | 153. | D     |
| 34. | D     | 74. | C     | 114. | C     | 154. | A     |
| 35. | E     | 75. | A     | 115. | E     | 155. | E     |
| 36. | C     | 76. | E     | 116. | C     | 156. | E     |
| 37. | D     | 77. | B     | 117. | A     | 157. | C     |
| 38. | E     | 78. | D     | 118. | D     |      |       |
| 39. | B     | 79. | C     | 119. | C     |      |       |
| 40. | E     | 80. | D     | 120. | E     |      |       |