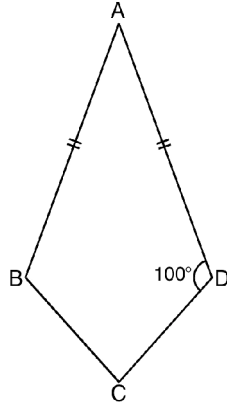


# DELTOİD

11.SINIF · MATEMATİK

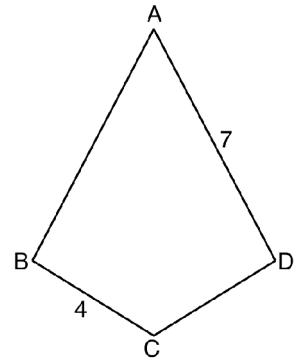
1

ABCD deltoid  
 $|AB| = |AD|$   
 $m(\widehat{ADC}) = 100^\circ$   
 olduğuna göre,  
 $m(\widehat{ABC})$   
 kaç derecedir?



5

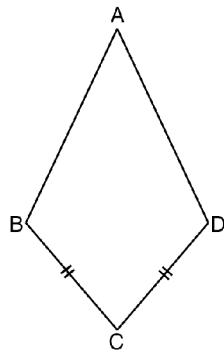
$|AD| = 7$  cm  
 $|BC| = 4$  cm  
 olduğuna göre,  
 ABCD deltoidinin  
 çevresi kaç cm dir?



A) 16 B) 22 C) 24 D) 25 E) 28

2

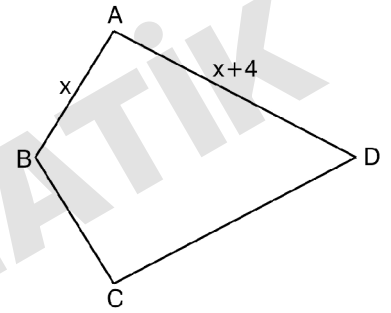
ABCD deltoid  
 $|BC| = |DC|$   
 $m(\widehat{BAD}) + m(\widehat{BCD}) = 140^\circ$   
 olduğuna göre,  
 $m(\widehat{ABC})$   
 kaç derecedir?



A) 100 B) 110 C) 115 D) 120 E) 125

6

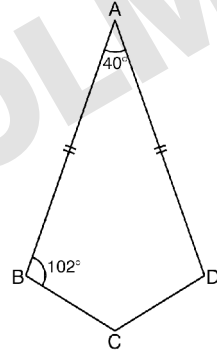
$|AB| = x$  cm  
 $|AD| = (x+4)$  cm  
 ABCD deltoidinin  
 çevresi 32 cm  
 olduğuna göre,  
 $x$  kaçtır?



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

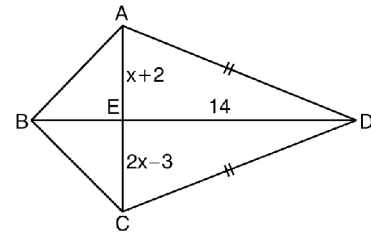
3

ABCD deltoid  
 $|AB| = |AD|$   
 $m(\widehat{BAD}) = 40^\circ$   
 $m(\widehat{ABC}) = 102^\circ$   
 olduğuna göre,  
 $m(\widehat{BCD})$   
 kaç derecedir?



A) 116 B) 118 C) 120 D) 122 E) 124

7

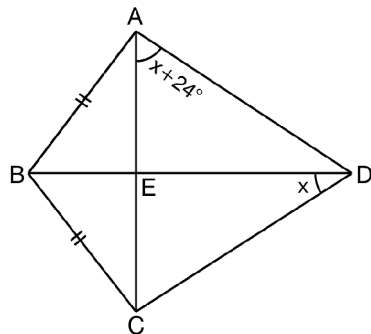


ABCD deltoid,  $[AC] \cap [BD] = \{E\}$ ,  $|AE| = (x+2)$  cm  
 $|EC| = (2x-3)$  cm,  $|ED| = 14$  cm olduğuna göre,  
 $|DA| = |DC|$  kaç cm dir?

A) 15 B)  $7\sqrt{5}$  C) 20 D) 25 E) 28

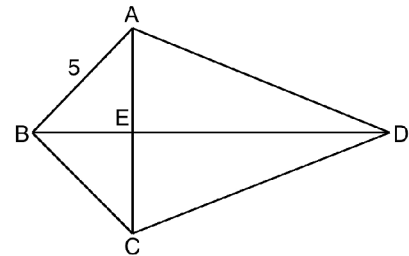
4

ABCD deltoid  
 $|AB| = |BC|$   
 $m(\widehat{BDC}) = x$   
 $m(\widehat{DAC}) = x + 24^\circ$   
 olduğuna göre,  
 $m(\widehat{ACD})$   
 kaç derecedir?



A) 33 B) 45 C) 52 D) 57 E) 60

8



ABCD deltoid,  $|BD| = 3|BE|$ ,  $|AC| = 8$  cm  
 $|AB| = 5$  cm olduğuna göre,  $|AD|$  kaç cm dir?

A)  $2\sqrt{10}$  B)  $3\sqrt{5}$  C)  $2\sqrt{13}$  D)  $\sqrt{61}$  E)  $7\sqrt{3}$

# DELTOİD

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9

ABCD deltoid

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

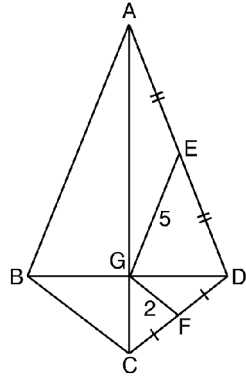
$$|AE| = |DE|$$

$$|DF| = |FC|$$

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

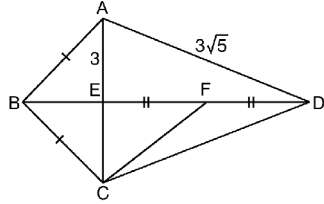
$$|FG| = 2 \text{ cm}$$

olduğuna göre,  
deltoidin çevresi  
kaç cm dir?



- A) 20 B) 24 C) 28 D) 30 E) 35

10



ABCD deltoid,  $[AC] \cap [BD] = \{E\}$ ,  $|BA| = |BC|$   
 $|EF| = |FD|$ ,  $|AE| = 3 \text{ cm}$ ,  $|AD| = 3\sqrt{5} \text{ cm}$   
olduğuna göre,  $|CF|$  kaç cm dir?

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

11

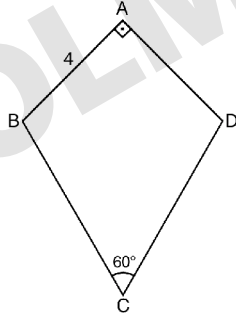
ABCD deltoid

$$m(\widehat{BAD}) = 90^\circ$$

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

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

olduğuna göre,  
 $|DC|$  kaç cm dir?



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

12

ABCD deltoid

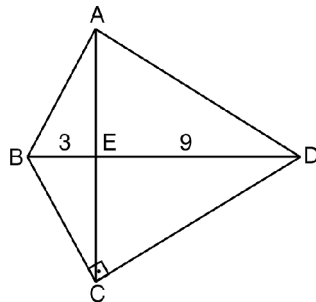
$$[AC] \cap [BD] = \{E\}$$

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

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

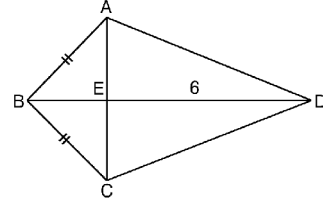
$$|DE| = 9 \text{ cm}$$

olduğuna göre,  
 $|AD|$  kaç cm dir?



- A)  $6\sqrt{2}$  B) 10 C)  $6\sqrt{3}$  D) 12 E) 15

13



ABCD deltoid,  $[AC] \cap [BD] = \{E\}$ ,  $|BA| = |BC|$   
 $m(\widehat{ADC}) = 60^\circ$ ,  $|ED| = 6 \text{ cm}$  olduğuna göre,  
 $|CD|$  kaç cm dir?

- A)  $3\sqrt{3}$  B)  $2\sqrt{10}$  C)  $\sqrt{42}$  D)  $3\sqrt{5}$  E)  $4\sqrt{3}$

14

ABCD deltoid

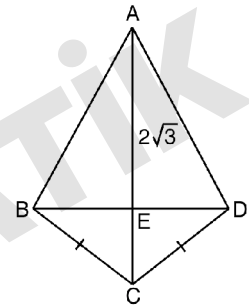
A, E, C doğrusal

$$|BC| = |DC|$$

$$|AD| = |BD|$$

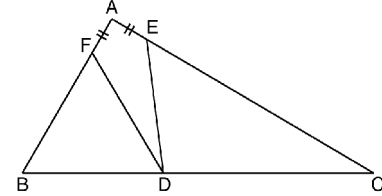
$$|AE| = 2\sqrt{3} \text{ cm}$$

olduğuna göre,  
 $|AB|$  kaç cm dir?



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

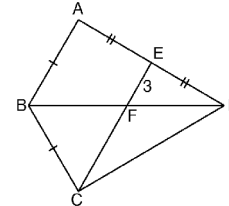
15



ABC üçgen, AFDE deltoid,  $|AB| = 8 \text{ cm}$ ,  $|AC| = 12 \text{ cm}$   
olduğuna göre,  $\frac{|BD|}{|DC|}$  oranı kaçtır?

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

16



ABCD deltoid,  $[BD] \cap [CE] = \{F\}$ ,  $|AE| = |DE|$   
 $|BA| = |BC|$ ,  $|EF| = 3 \text{ cm}$  olduğuna göre,  
 $|CF|$  kaç cm dir?

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

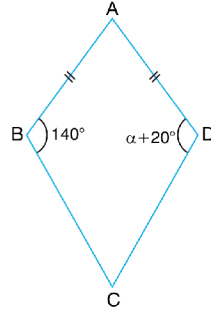
# DELTOİD

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17

soru 2

ABCD deltoid  
 $|AB| = |AD|$   
 $m(\widehat{ABC}) = 140^\circ$   
 $m(\widehat{ADC}) = \alpha + 20^\circ$   
 olduğuna göre,  
 $\alpha$  kaç derecedir?

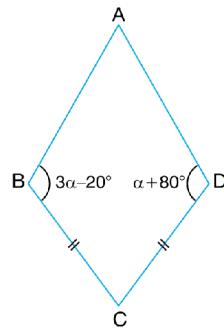


- A) 100 B) 110 C) 120 D) 130 E) 140

18

soru 3

ABCD deltoid  
 $|BC| = |CD|$   
 $m(\widehat{ABC}) = 3\alpha - 20^\circ$   
 $m(\widehat{ADC}) = \alpha + 80^\circ$   
 olduğuna göre,  
 $\alpha$  kaç derecedir?

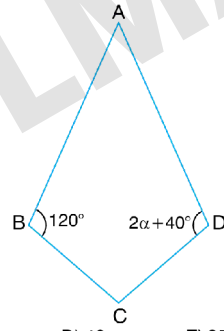


- A) 90 B) 80 C) 70 D) 60 E) 50

19

soru 4

ABCD deltoid  
 $|AD| \neq |DC|$   
 $m(\widehat{ABC}) = 120^\circ$   
 $m(\widehat{ADC}) = 2\alpha + 40^\circ$   
 olduğuna göre,  
 $\alpha$  kaç derecedir?

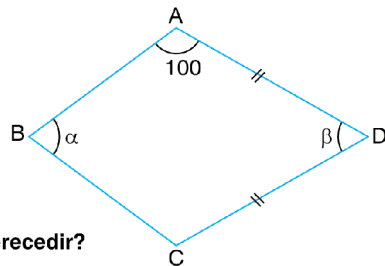


- A) 55 B) 50 C) 45 D) 40 E) 35

20

soru 5

ABCD deltoid  
 $|AD| = |DC|$   
 $m(\widehat{BAD}) = 100^\circ$   
 olduğuna göre,  
 $\alpha + \beta$  toplamı kaç derecedir?

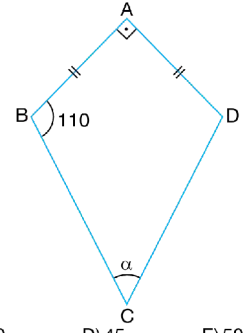


- A) 100 B) 120 C) 140 D) 160 E) 180

21

soru 6

ABCD deltoid  
 $|AB| = |AD|$   
 $m(\widehat{BAD}) = 90^\circ$   
 $m(\widehat{ABC}) = 110^\circ$   
 olduğuna göre,  
 $m(\widehat{BCD}) = \alpha$  kaç derecedir?

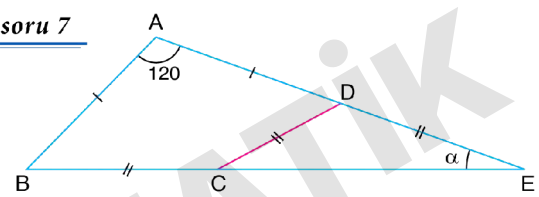


- A) 30 B) 35 C) 40 D) 45 E) 50

22

soru 7

ABCD deltoid, ABE üçgen,  $|AB| = |AD|$ ,  $|BC| = |CD| = |DE|$   
 $m(\widehat{BAE}) = 120^\circ$  olduğuna göre,  $m(\widehat{AEB}) = \alpha$  kaç derecedir?

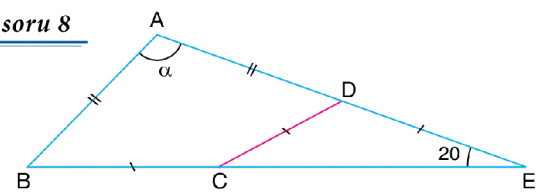


- A) 10 B) 20 C) 25 D) 30 E) 40

23

soru 8

ABCD deltoid, ABE üçgen,  $|AB| = |AD|$ ,  $|BC| = |CD| = |DE|$   
 $m(\widehat{AEB}) = 20^\circ$  olduğuna göre,  $m(\widehat{BAE}) = \alpha$  kaç derecedir?

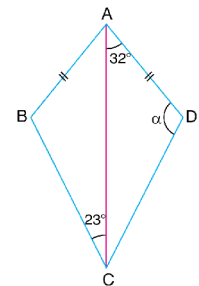


- A) 120 B) 115 C) 110 D) 105 E) 100

24

soru 1

ABCD deltoid  
 $[AC]$  köşegen  
 $|AB| = |AD|$   
 $m(\widehat{CAD}) = 32^\circ$   
 $m(\widehat{BCA}) = 23^\circ$   
 olduğuna göre,  
 $m(\widehat{ADC}) = \alpha$  kaç derecedir?



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

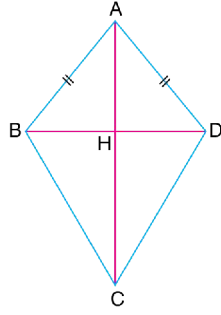
# DELTOİD

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25

soru 2

ABCD deltoid  
[AC] ve [BD] köşegen  
 $|AB| = |AD|$   
 $m(\widehat{BAC}) = 2\alpha - 10^\circ$   
 $m(\widehat{DAC}) = \alpha + 12^\circ$   
olduğuna göre,  
 **$m(\widehat{BAD})$  kaç derecedir?**

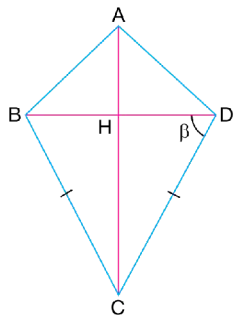


- A) 66 B) 67 C) 68 D) 69 E) 70

26

soru 3

ABCD deltoid  
 $|BC| = |CD|$   
 $m(\widehat{BCA}) = 3\alpha - 18^\circ$   
 $m(\widehat{DCA}) = \alpha + 6^\circ$   
olduğuna göre,  
 **$m(\widehat{BDC}) = \beta$  kaç derecedir?**

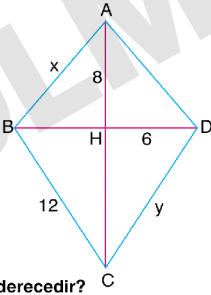


- A) 70 B) 72 C) 74 D) 76 E) 78

27

soru 4

ABCD deltoid  
[AC] ve [BD] köşegen  
 $|AH| = 8$  cm  
 $|HD| = 6$  cm  
 $|BC| = 12$  cm  
 $|AB| = x$  cm  
 $|CD| = y$  cm  
olduğuna göre,  **$x+y$  toplam kaç derecedir?**

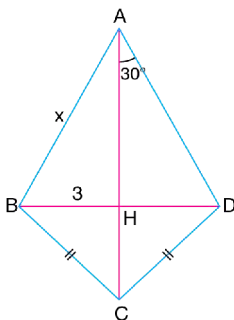


- A) 20 B) 22 C) 24 D) 26 E) 28

28

soru 5

ABCD deltoid  
[AC] ve [BD] köşegen  
 $|BC| = |CD|$   
 $m(\widehat{DAC}) = 30^\circ$   
 $|BH| = 3$  cm  
olduğuna göre,  
 **$|AB| = x$  kaç cm dir?**

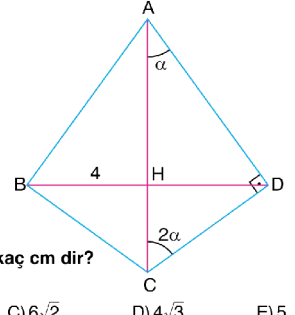


- A) 4 B) 5 C) 6 D) 7 E) 8

29

soru 6

ABCD deltoid  
[AC] ve [BD] köşegen  
 $m(\widehat{ADC}) = 90^\circ$   
 $m(\widehat{DCA}) = 2\alpha$   
 $m(\widehat{DAC}) = \alpha$   
 $|BH| = 4$  cm  
olduğuna göre,  **$|AD| = x$  kaç cm dir?**

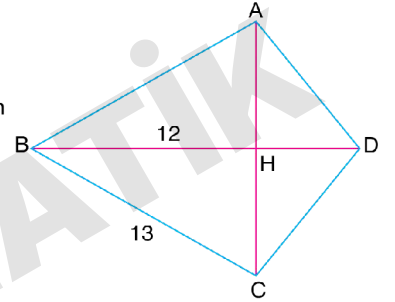


- A) 12 B) 8 C)  $6\sqrt{2}$  D)  $4\sqrt{3}$  E) 5

30

soru 7

ABCD deltoid  
[BD] ve [AC] köşegen  
 $|BC| = 13$  cm  
 $|BH| = 12$  cm  
olduğuna göre,  
 **$|AC|$  kaç cm dir?**

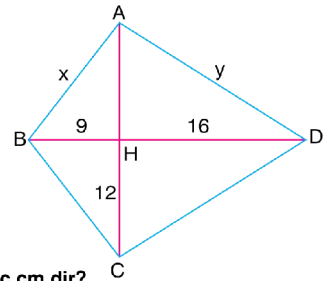


- A) 6 B) 7 C) 8 D) 9 E) 10

31

soru 8

ABCD deltoid  
[AC] ve [BD] köşegen  
 $|BH| = 9$  cm  
 $|HD| = 16$  cm  
 $|HC| = 12$  cm  
olduğuna göre,  
 **$|AB| + |AD|$  toplamı kaç cm dir?**

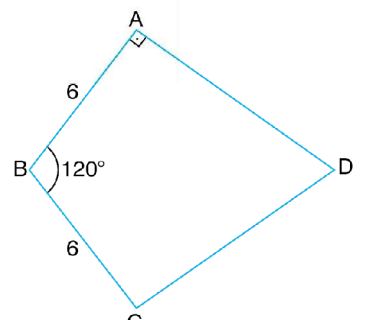


- A) 30 B) 35 C) 36 D) 39 E) 42

32

soru 1

ABCD deltoid  
 $|AB| = |BC| = 6$  cm  
 $m(\widehat{BAD}) = 90^\circ$   
 $m(\widehat{ABC}) = 120^\circ$   
olduğuna göre,  
 **$|CD|$  kaç cm dir?**



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

# DELTOİD

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## 33 soru 2

ADEF deltoid

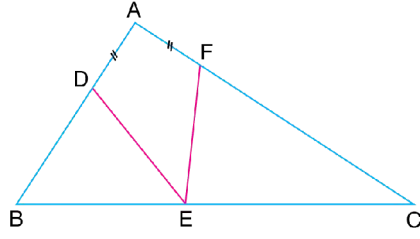
ABC üçgen

$|AD| = |AF|$

$4|AB| = 3|AC|$

$|BC| = 28$  cm

olduğuna göre,  $|BE|$  kaç cm dir?



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

## 34 soru 3

ABCD deltoid

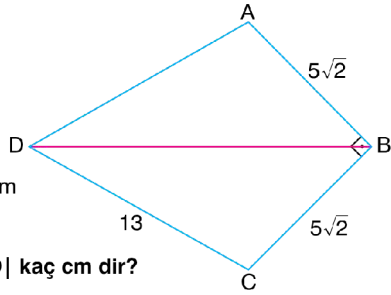
$[BD]$  köşegen

$m(\widehat{ABC}) = 90^\circ$

$|AB| = |BC| = 5\sqrt{2}$  cm

$|CD| = 13$  cm

olduğuna göre,  $|BD|$  kaç cm dir?



- A) 14 B) 15 C) 16 D) 17 E) 18

## 35 soru 4

ABCD deltoid

$[BD]$  köşegen

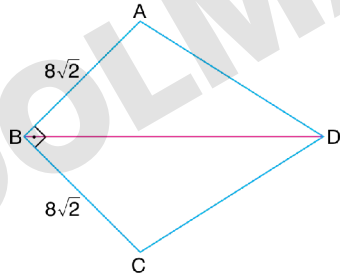
$m(\widehat{ABC}) = 90^\circ$

$|AB| = |BC| = 8\sqrt{2}$  cm

$|BD| = 23$  cm

olduğuna göre,

$|CD|$  kaç cm dir?



- A) 15 B) 17 C) 18 D) 19 E) 20

## 36 soru 5

ABCD deltoid

$[AC]$  ve  $[BD]$  köşegen

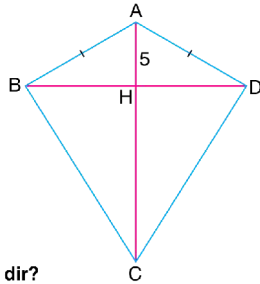
$|AB| = |AD|$

$|AH| = 5$  cm

$|BD| = 24$  cm

Çevre(ABCD) = 66 cm

olduğuna göre,  $|DC|$  kaç cm dir?



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

## 37 soru 6

ADEC deltoid

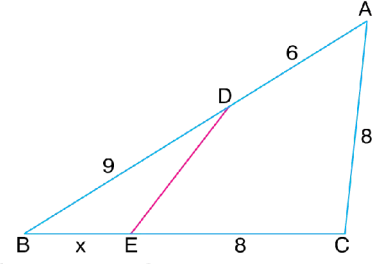
ABC üçgen

$|AC| = |EC| = 8$  cm

$|AD| = 6$  cm

$|BD| = 9$  cm

olduğuna göre,  $|BE| = x$  kaç cm dir?



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

## 38 soru 7

ABCD deltoid

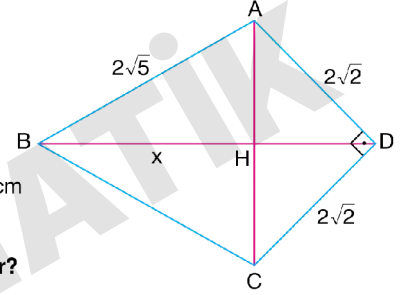
$[AD] \perp [DC]$

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

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

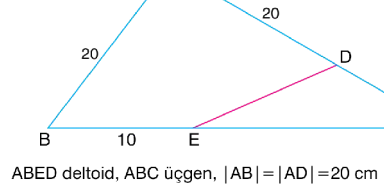
olduğuna göre,

$|BH| = x$  kaç cm dir?



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

## 39 soru 8



ABED deltoid, ABC üçgen,  $|AB| = |AD| = 20$  cm

$|BE| = |DC| = 10$  cm

olduğuna göre,  $|EC| = x$  kaç cm dir?

- A) 10 B) 15 C) 16 D) 18 E) 19

## 40

Köşegenlerinin uzunlukları  $3\sqrt{3}$  cm ve  $4\sqrt{3}$  cm olan deltoidin alanı kaç  $\text{cm}^2$  dir?

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

# DELTOİD

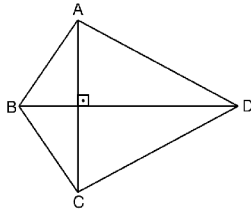
11.SINIF · MATEMATİK

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Alanı  $24 \text{ cm}^2$  olan deltoidin köşegenlerinden birisinin uzunluğu  $6 \text{ cm}$  olduğuna göre, diğer köşegen uzunluğu kaç  $\text{cm}$  dir?

- A) 14 B) 12 C) 10 D) 9 E) 8

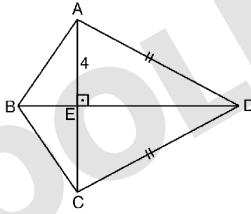
42



ABCD deltoid,  $[AC] \perp [BD]$ ,  $|AC| = 4\sqrt{2} \text{ cm}$   
 $|BD| = 6\sqrt{2} \text{ cm}$  olduğuna göre, Alan(ABCD)  
 kaç  $\text{cm}^2$  dir?

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

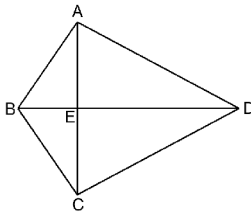
43



ABCD deltoid,  $[AC] \perp [BD]$ ,  $|AD| = |DC|$ ,  $|AE| = 4 \text{ cm}$   
 $|BD| = 10 \text{ cm}$  olduğuna göre, Alan(ABCD)  
 kaç  $\text{cm}^2$  dir?

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

44

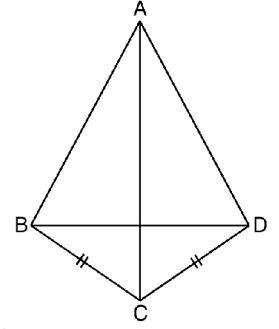


ABCD deltoid,  $[AC] \perp [BD]$ ,  $|ED| = 3|BE|$   
 Alan(ABC) =  $17 \text{ cm}^2$  olduğuna göre, Alan(ABCD)  
 kaç  $\text{cm}^2$  dir?

- A) 60 B) 63 C) 65 D) 68 E) 70

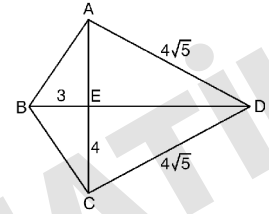
45

ABCD deltoid  
 $|BC| = |DC|$   
 $|AC| = 3|BD|$   
 Alan(ABCD) =  $54 \text{ cm}^2$   
 olduğuna göre,  
 $|AC|$  kaç  $\text{cm}$  dir?



- A) 15 B) 16 C) 18 D) 20 E) 24

46

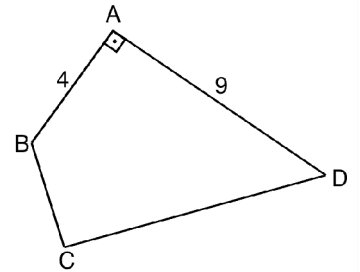


ABCD deltoid,  $[AC] \perp [BD]$ ,  $|BE| = 3 \text{ cm}$   
 $|EC| = 4 \text{ cm}$ ,  $|AD| = |DC| = 4\sqrt{5} \text{ cm}$  olduğuna göre,  
 Alan(ABCD) kaç  $\text{cm}^2$  dir?

- A) 32 B) 36 C) 42 D) 44 E) 45

47

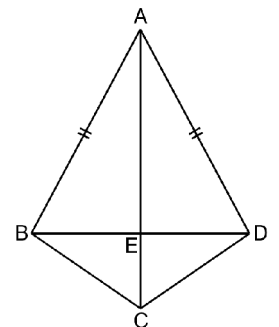
ABCD deltoid  
 $[AB] \perp [AD]$   
 $|AB| = 4 \text{ cm}$   
 $|AD| = 9 \text{ cm}$   
 olduğuna göre,  
 Alan(ABCD)  
 kaç  $\text{cm}^2$  dir?



- A) 32 B) 36 C) 40 D) 44 E) 48

48

ABCD deltoid  
 $|AB| = |AD|$   
 $[AC] \perp [BD]$   
 $|AC| = (2x+2) \text{ cm}$   
 $|BD| = (x+2) \text{ cm}$   
 Alan(ABCD) =  $42 \text{ cm}^2$   
 olduğuna göre,  
 $|AC|$  kaç  $\text{cm}$  dir?

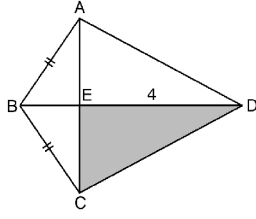


- A) 16 B) 14 C) 13 D) 12 E) 10

# DELTOİD

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49

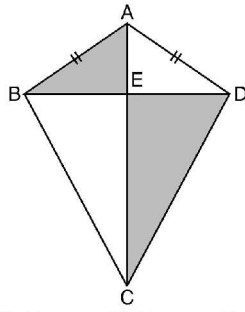


ABCD deltoid,  $[BD]$  köşegen,  $|BA| = |BC|$   
 $|AC| = 2\sqrt{3}$  cm,  $|ED| = 4$  cm olduğuna göre,  
**Alan(CDE) kaç  $\text{cm}^2$  dir?**

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

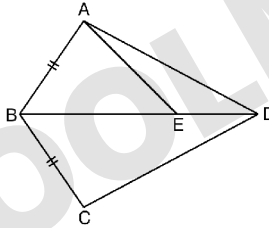
50

ABCD deltoid  
 $[AC] \cap [BD] = \{E\}$   
 $|AB| = |AD|$   
 deltoidin alanı  $22 \text{ cm}^2$   
 olduğuna göre,  
 taralı bölgelerin  
 alanları toplamı  
 kaç  $\text{cm}^2$  dir?



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

51

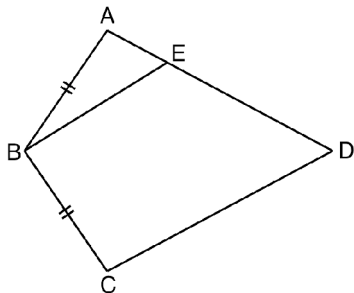


ABCD deltoid,  $|BA| = |BC|$ ,  $|BD| = 3|ED|$   
 $\text{Alan}(AED) = 4 \text{ cm}^2$  olduğuna göre, deltoidin alanı  
 kaç  $\text{cm}^2$  dir?

- A) 18 B) 20 C) 21 D) 24 E) 27

52

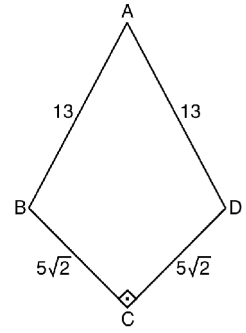
ABCD deltoid  
 $|AB| = |BC|$   
 $|DE| = 3|AE|$   
 $\text{Alan}(ABE) = 4 \text{ cm}^2$   
 olduğuna göre,  
 deltoidin alanı  
 kaç  $\text{cm}^2$  dir?



- A) 16 B) 18 C) 24 D) 32 E) 36

53

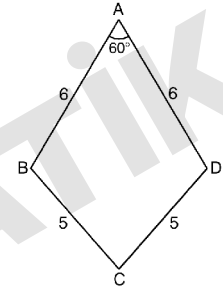
$[BC] \perp [DC]$   
 $|BC| = |DC| = 5\sqrt{2}$  cm  
 $|AB| = |AD| = 13$  cm  
 olduğuna göre,  
**Alan(ABCD)**  
 kaç  $\text{cm}^2$  dir?



- A) 85 B) 86 C) 90 D) 92 E) 95

54

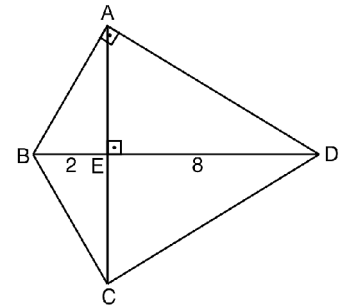
ABCD deltoid  
 $m(\widehat{BAD}) = 60^\circ$   
 $|AB| = |AD| = 6$  cm  
 $|BC| = |DC| = 5$  cm  
 olduğuna göre,  
**Alan(ABCD)**  
 kaç  $\text{cm}^2$  dir?



- A)  $3(2\sqrt{3} + 4)$  B)  $2(4\sqrt{3} + 5)$  C)  $4(2\sqrt{3} + 3)$   
 D)  $9(\sqrt{3} + 1)$  E)  $3(3\sqrt{3} + 4)$

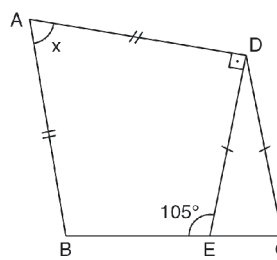
55

ABCD deltoid  
 $[AB] \perp [AD]$   
 $[AC] \perp [BD]$   
 $|BE| = 2$  cm  
 $|DE| = 8$  cm  
 olduğuna göre,  
**Alan(ABCD)**  
 kaç  $\text{cm}^2$  dir?



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

56



ABCD deltoid  
 $[ED] \perp [AD]$   
 $|AB| = |AD|$   
 $|ED| = |DC|$   
 $m(\widehat{BED}) = 105^\circ$

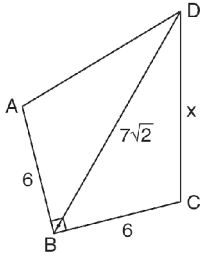
Yukarıdaki verilere göre,  $m(\widehat{BAD}) = x$  kaç derecedir?

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

## DELTOİD

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ABCD deltoid

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

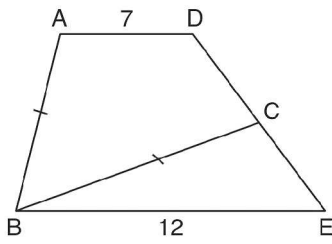
$$|AB| = |BC| = 6 \text{ br}$$

$$|BD| = 7\sqrt{2} \text{ br}$$

Yukarıdaki verilere göre,  $|DC| = x$  kaç br dir?

- A) 11 B)  $6\sqrt{2}$  C) 8 D)  $5\sqrt{2}$  E) 4

58



ABCD deltoid

$$[AD] \parallel [BE]$$

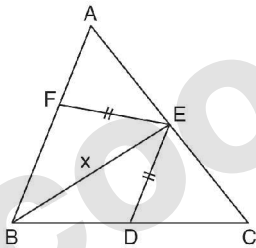
$$|BE| = 12 \text{ br}$$

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

Yukarıdaki verilere göre,  $|CE|$  kaç br dir?

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

59



ABC bir üçgen

BDEF deltoid

$$|EF| = |ED|$$

$$|AE| = 3 \text{ br}$$

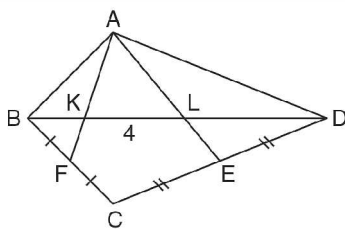
$$|AB| = 6 \text{ br}$$

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

Yukarıdaki verilere göre,  $|BE| = x$  kaç br dir?

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

60



ABCD deltoid

$$|AB| = |BC|$$

$$|BF| = |FC|$$

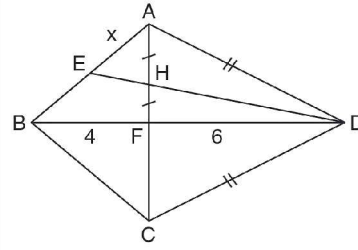
$$|CE| = |ED|$$

$$|KL| = 4 \text{ br}$$

Yukarıdaki verilere göre,  $|BD|$  kaç br olur?

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

61



ABCD deltoid

$$|AD| = |DC|$$

$$|AH| = |HF|$$

$$|BF| = 4 \text{ br}$$

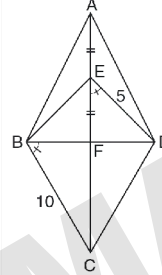
$$|BC| = 8 \text{ br}$$

$$|FD| = 6 \text{ br}$$

Yukarıdaki verilere göre,  $|AE| = x$  kaç br dir?

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

62



ABCD deltoid

$$m(\widehat{CED}) = m(\widehat{DBC})$$

$$|AE| = |EF|$$

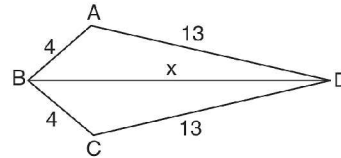
$$|BC| = |DC| = 10 \text{ br}$$

$$|ED| = 5 \text{ br}$$

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

- A) 40 B) 50 C) 60 D) 65 E) 70

63



ABCD deltoid

$$|AB| = |BC| = 4 \text{ br}$$

$$|AD| = |DC| = 13 \text{ br}$$

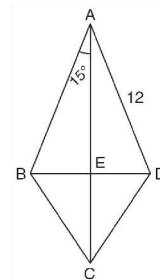
$$\text{Alan}(ABCD) = 48 \text{ br}^2$$

$$m(\widehat{BAD}) > 90^\circ$$

Yukarıdaki verilere göre,  $|BD| = x$  kaç br dir?

- A) 14 B) 15 C) 15,5 D) 16 E) 16,5

64



ABCD deltoid

$$m(\widehat{BAC}) = 15^\circ$$

$$2|EC| = |AE|$$

$$|AD| = 12 \text{ br}$$

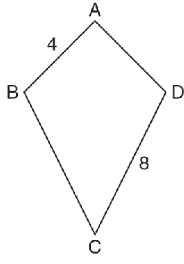
Yukarıdaki verilere göre,  $\text{Alan}(ABCD)$  kaç  $\text{br}^2$  dir?

- A) 18 B) 36 C) 54 D) 68 E) 96

# DELTOİD

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ABCD deltoid

$$|AB| = |AD|$$

$$m(\widehat{A}) + m(\widehat{C}) = 60^\circ$$

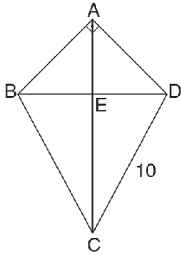
$$|AB| = 4 \text{ br}$$

$$|CD| = 8 \text{ br}$$

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

- A) 16 B) 32 C) 45 D) 56 E) 60

66



ABCD deltoid

$$|AB| = |AD|$$

$$BA \perp AD$$

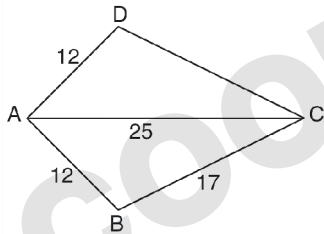
$$|EC| = 2|AE|$$

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

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

- A) 20 B) 25 C) 40 D) 50 E) 60

67



ABCD deltoid

$$|AB| = |AD| = 12 \text{ cm}$$

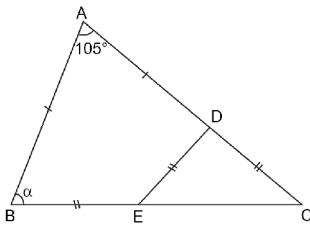
$$|AC| = 25 \text{ cm}$$

$$|BC| = 17 \text{ cm}$$

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

- A) 132 B) 140 C) 144 D) 160 E) 180

68



ABCD bir deltoid

$$|AB| = |AD|$$

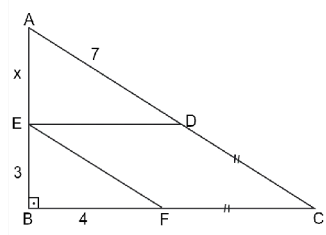
$$|BE| = |ED| = |DC|$$

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

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

- A) 25 B) 30 C) 40 D) 45 E) 50

69



$$|CD| = |CF|$$

$$|AB| \perp |BC|$$

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

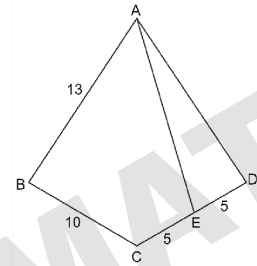
$$|BF| = 4 \text{ cm}$$

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

CDEF bir deltoid olduğuna göre,  $|AE| = x$  kaç cm dir?

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

70



ABCD bir deltoid

$$m(\widehat{BAE}) = 3m(\widehat{EAD})$$

$$|AB| = 13 \text{ cm}$$

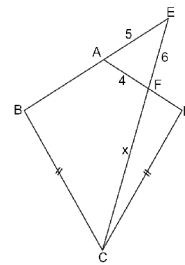
$$|BC| = 10 \text{ cm}$$

$$|CE| = |ED| = 5 \text{ cm}$$

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

- A) 90 B) 100 C) 110 D) 120 E) 130

71



ABCD bir deltoid

$$|BC| = |CD|$$

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

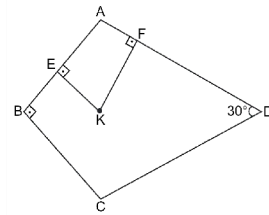
$$|AE| = 5 \text{ cm}$$

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

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

- A) 12 B) 18 C) 24 D) 25 E) 30

72



ABCD bir deltoid

$$|AB| = |BC|$$

$$|AB| \perp |BC|$$

$$|KE| \perp |AB|$$

$$|KF| \perp |AD|$$

$$|KE| \cdot |KF| = 12 \text{ cm}^2 \text{ ve K, köşegenlerin kesim noktası}$$

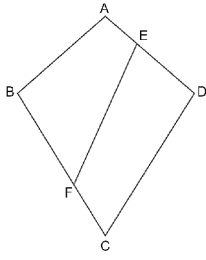
Yukarıdaki verilere göre, Alan(ABCD) kaç  $\text{cm}^2$  dir?

- A)  $24\sqrt{3}$  B)  $36\sqrt{2}$  C)  $36\sqrt{3}$  D)  $48\sqrt{3}$  E)  $52\sqrt{3}$

## DELTOİD

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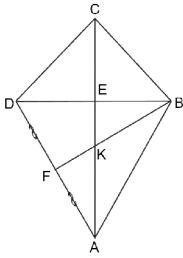
$$\begin{aligned} |AB| &= |AD| \\ |BC| &= |CD| \\ |AD| &= 3|AE| \\ |BC| &= 3|FC| \end{aligned}$$

ABCD bir deltoid ve  $|BD| = 15$  cm,  $|AC| = 18$  cm dir.

Buna göre,  $|EC| = x$  kaç cm dir?

- A) 17 B) 16 C) 15 D) 14 E) 13

74

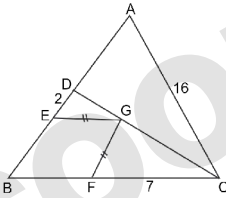


$$\begin{aligned} \text{ABCD bir deltoid} \\ |CB| &= |CD| \\ |DF| &= |FA| \\ \text{Alan}(\text{CEB}) &= 8 \text{ cm}^2 \\ \text{Alan}(\text{KAF}) &= 7 \text{ cm}^2 \end{aligned}$$

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

- A) 32 B) 42 C) 48 D) 52 E) 58

75



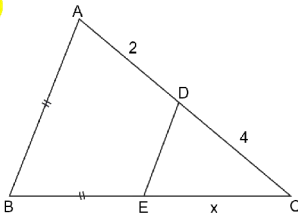
$$\begin{aligned} \text{BEGF bir deltoid} \\ |EG| &= |GF| \\ |DE| &= 2 \text{ cm} \\ |FC| &= 7 \text{ cm} \\ |AC| &= 16 \text{ cm} \end{aligned}$$

G, ABC üçgeninin ağırlık merkezi

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

- A) 5 B) 6 C)  $\frac{24}{5}$  D)  $\frac{48}{5}$  E) 10

76



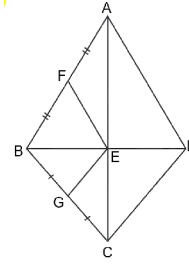
$$\begin{aligned} \text{ABED bir deltoid} \\ |AB| &= |BE| \\ |AD| &= 2 \text{ cm} \\ |DC| &= 4 \text{ cm} \end{aligned}$$

$$m(\widehat{ABC}) = 2m(\widehat{ACB})$$

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

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

77



ABCD bir deltoid

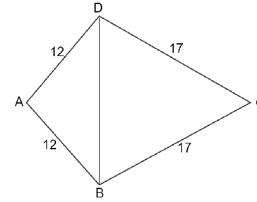
$$\begin{aligned} |AB| &= |AD| \\ |AF| &= |FB| \\ |BG| &= |GC| \end{aligned}$$

$$\text{Çevre}(\text{ABCD}) = 36 \text{ cm}$$

Yukarıdaki verilere göre, Çevre(BGEF) kaç cm dir?

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

78



ABCD bir del-  
toid

$$\begin{aligned} |AD| &= |AB| = 12 \text{ cm} , |DC| = |CB| = 17 \text{ cm} \\ \text{Alan}(\text{ABCD}) &= 180 \text{ cm}^2 \end{aligned}$$

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

- A) 15 B) 14,4 C) 14 D) 136 E) 12,8

**CEVAP ANAHTARI**

| No  | Cevap | No  | Cevap |
|-----|-------|-----|-------|
| 1.  | C     | 40. | C     |
| 2.  | B     | 41. | E     |
| 3.  | A     | 42. | B     |
| 4.  | D     | 43. | A     |
| 5.  | B     | 44. | D     |
| 6.  | E     | 45. | C     |
| 7.  | B     | 46. | D     |
| 8.  | C     | 47. | B     |
| 9.  | C     | 48. | D     |
| 10. | A     | 49. | A     |
| 11. | D     | 50. | C     |
| 12. | C     | 51. | D     |
| 13. | E     | 52. | D     |
| 14. | A     | 53. | A     |
| 15. | E     | 54. | E     |
| 16. | E     | 55. | E     |
| 17. | C     | 56. | B     |
| 18. | E     | 57. | D     |
| 19. | D     | 58. | E     |
| 20. | D     | 59. | D     |
| 21. | E     | 60. | C     |
| 22. | B     | 61. | C     |
| 23. | A     | 62. | C     |
| 24. | D     | 63. | B     |
| 25. | C     | 64. | C     |
| 26. | B     | 65. | A     |
| 27. | B     | 66. | E     |
| 28. | C     | 67. | E     |
| 29. | B     | 68. | E     |
| 30. | E     | 69. | C     |
| 31. | B     | 70. | A     |
| 32. | C     | 71. | C     |
| 33. | A     | 72. | D     |
| 34. | D     | 73. | B     |
| 35. | B     | 74. | E     |
| 36. | D     | 75. | D     |
| 37. | A     | 76. | C     |
| 38. | C     | 77. | A     |
| 39. | B     | 78. | B     |