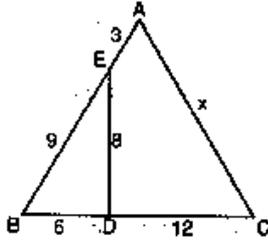


ÜÇGENDE BENZERLİK TEST-2

1.

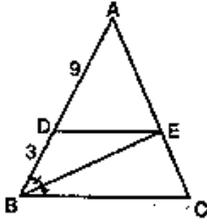


ABC bir üçgen  
 $|AE| = 3$  cm  
 $|EB| = 9$  cm  
 $|BD| = 6$  cm  
 $|DC| = 12$  cm  
 $|ED| = 8$  cm

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

- A) 10 B) 12 C) 15 D) 16 E) 20

2.

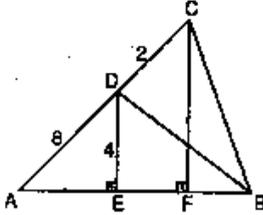


ABC bir üçgen  
 $[BE]$  açıortay  
 $[DE] \parallel [BC]$   
 $|AD| = 9$  cm  
 $|BD| = 3$  cm

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

- A) 3 B) 4 C) 5 D) 6 E) 8

3.

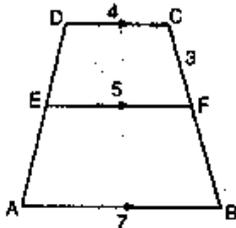


ABC bir üçgen  
 $[DE] \perp [AB]$   
 $[CF] \perp [AB]$   
 $|AE| = |EB|$   
 $|AD| = 8$  cm  
 $|DC| = 2$  cm  
 $|DE| = 4$  cm

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

- A)  $\sqrt{13}$  B)  $\sqrt{17}$  C)  $\sqrt{41}$  D)  $2\sqrt{13}$  E)  $2\sqrt{17}$

4.

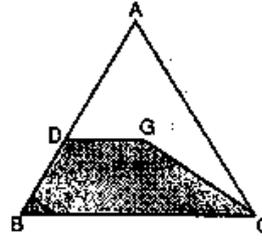


$[DC] \parallel [EF] \parallel [AB]$   
 $|AB| = 7$  cm  
 $|EF| = 5$  cm  
 $|DC| = 4$  cm  
 $|CF| = 3$  cm

Buna göre,  $|FB|$  kaç cm dir?

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

5.

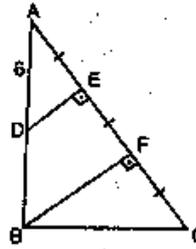


ABC bir üçgen  
 $G$  ağırlık merkezi  
 $[DG] \parallel [BC]$   
 $A(ADGC) = 20$  cm<sup>2</sup>

Yukarıdaki verilere göre,  $A(BCGD)$  kaç cm<sup>2</sup> dir?

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

6.

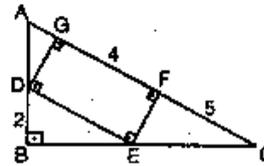


ABC bir üçgen  
 $[DE] \perp [AC]$   
 $[BF] \perp [AC]$   
 $|AD| = 6$  cm  
 $|AE| = |EF| = |FC|$   
 $|AF| = |BF|$

Yukarıdaki verilere göre,  $A(FBC)$  kaç cm<sup>2</sup> dir?

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

7.

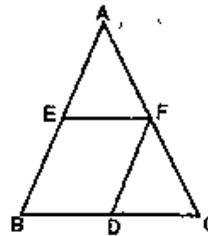


ABC bir diküçgen  
 $DEFG$  dikdörtgen  
 $|BD| = 2$  cm  
 $|GF| = 4$  cm  
 $|FC| = 5$  cm

Yukarıdaki verilere göre,  $DEFG$  dikdörtgeninin alanı kaç cm<sup>2</sup> dir?

- A)  $\frac{10\sqrt{3}}{3}$  B)  $\frac{14\sqrt{3}}{3}$  C)  $\frac{20\sqrt{3}}{3}$  D)  $12\sqrt{3}$  E)  $12\sqrt{7}$

8.

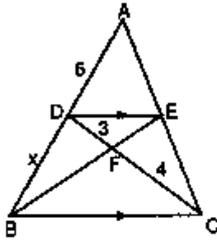


ABC bir üçgen  
 $[EF] \parallel [BC]$   
 $[FD] \parallel [AB]$   
 $A(AEF) = 4$  cm<sup>2</sup>  
 $A(FDC) = 16$  cm<sup>2</sup>

Yukarıdaki verilere göre,  $A(ABC)$  kaç cm<sup>2</sup> dir?

- A) 24 B) 30 C) 32 D) 36 E) 42

9.

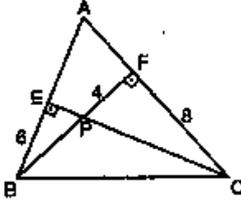


ABC bir üçgen  
 $[BC] \parallel [DE]$   
 $|DF| = 3 \text{ cm}$   
 $|FC| = 4 \text{ cm}$   
 $|AD| = 6 \text{ cm}$   
 $|DB| = x$

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

- A) 2 B) 3 C) 4 D) 6 E) 9

10.

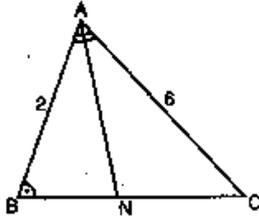


ABC bir üçgen  
 $[BF] \perp [AC]$   
 $[CE] \perp [AB]$   
 $|BE| = 6 \text{ cm}$   
 $|CF| = 8 \text{ cm}$   
 $|PF| = 4 \text{ cm}$

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

- A) 3 B) 4 C) 5 D) 6 E) 8

11.

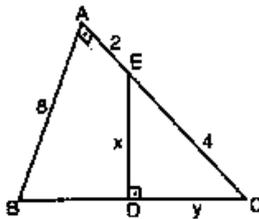


ABC bir üçgen  
 $[AN]$  iç açıortay  
 $m(\widehat{B}) = m(\widehat{BAN})$   
 $|AC| = 6 \text{ cm}$   
 $|AB| = 2 \text{ cm}$

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

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

12.

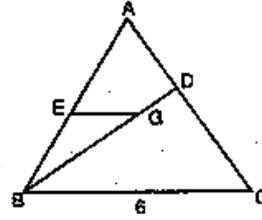


BAC dik üçgen  
 $[DE] \perp [BC]$   
 $|AE| = 2 \text{ cm}$   
 $|EC| = 4 \text{ cm}$   
 $|AB| = 8 \text{ cm}$   
 $|ED| = x$   
 $|DC| = y$

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

- A) 4,2 B) 4,8 C) 5,2 D) 5,6 E) 7,2

13.

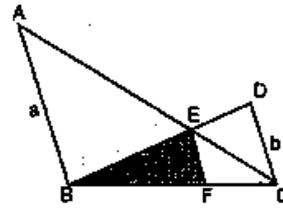


ABC bir üçgen  
 G ağırlık merkezi  
 $[EG] \parallel [BC]$   
 $|BC| = 6 \text{ cm}$

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

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

14.

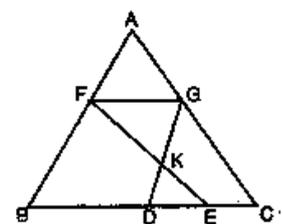


$[AB] \parallel [EF] \parallel [DC]$   
 $a = 3b$

Yukarıdaki verilere göre,  $\frac{A(BEF)}{A(BOC)}$  oranı kaçtır?

- A)  $\frac{9}{16}$  B)  $\frac{6}{13}$  C)  $\frac{5}{13}$  D)  $\frac{4}{13}$  E)  $\frac{3}{16}$

15.

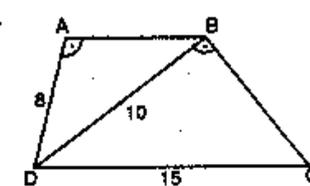


ABC bir üçgen  
 F ve G noktaları  
 orta noktalardır.  
 $|FG| = 9 \text{ cm}$   
 $|DE| = 3 |EC|$   
 $\frac{|DK|}{|DG|} = \frac{2}{5}$

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

- A) 5 B) 6 C) 10 D) 12 E) 16

16.



$[DC] \parallel [AB]$   
 $m(\widehat{BAD}) = m(\widehat{DBC})$   
 $|AD| = 8 \text{ cm}$   
 $|DB| = 10 \text{ cm}$   
 $|DC| = 15 \text{ cm}$

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

- A) 6 B) 10 C) 11 D) 12 E) 15

YANITLAR

1-D 2-B 3-D 4-A 5-C 6-D 7-C 8-D 9-A 10-A 11-C 12-D 13-C 14-A 15-C 16-D