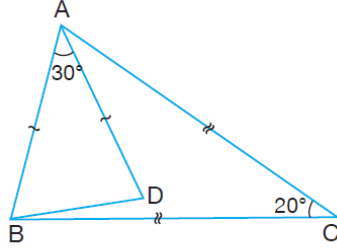
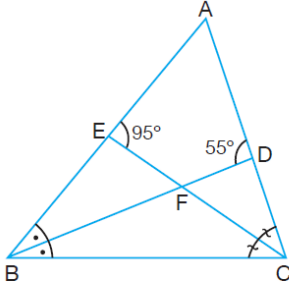


ÜÇGENDE AÇI-EŞİTLİK-EŞİTSİZLİK-BENZERLİK-ÜÇGENİN TEMEL ELEMANLARI TEKRAR SORULARI



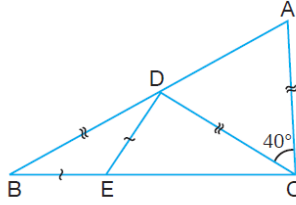
ABC üçgen
 $m(\widehat{BAD}) = 30^\circ$
 $m(\widehat{ACB}) = 20^\circ$
 $|AC| = |BC|$
 $|AB| = |AD|$

Buna göre, $m(\widehat{DBC})$ kaç derecedir?



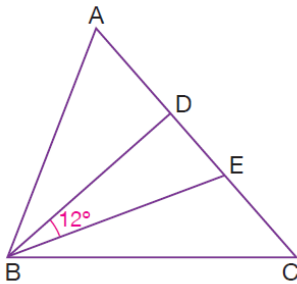
ABC üçgen
 $[CE]$ ve $[BD]$ açıortay
 $m(\widehat{BDA}) = 55^\circ$
 $m(\widehat{AEC}) = 95^\circ$

Buna göre, DFE açısının ölçüsü kaç derecedir?



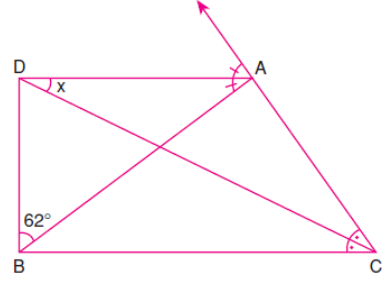
ABC bir üçgen
 $|AC| = |CD| = |DB|$
 $|BE| = |ED|$
 $m(\widehat{ACD}) = 40^\circ$

Buna göre, EDC açısının ölçüsü kaç derecedir?



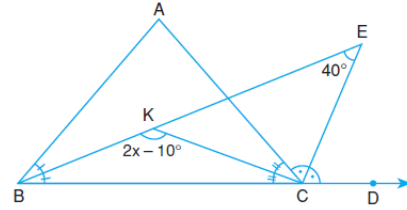
ABC üçgen
 $|AE| = |AB|$
 $|BC| = |CD|$
 $m(\widehat{DBE}) = 12^\circ$

Buna göre, ABC açısının ölçüsünü bulalım.



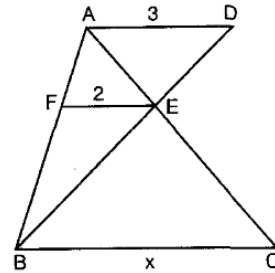
Şekilde verilenlere göre x kaç derecedir?

- A) 27 B) 28 C) 29 D) 30 E) 31



ABC üçgeninde verilenlere göre x kaç derecedir?

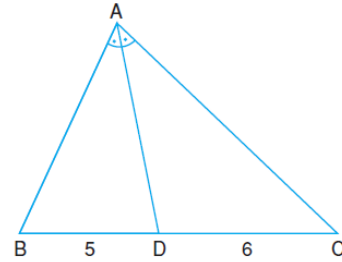
- A) 70 B) 65 C) 60 D) 55 E) 50



ABC ve ABD
 birer üçgen
 $[AD] \parallel [FE] \parallel [BC]$
 $|AD| = 3 \text{ cm}$
 $|FE| = 2 \text{ cm}$
 $|BC| = x$

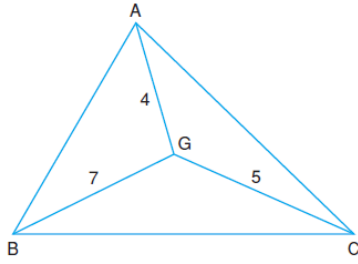
Yukarıdaki verilere göre, $|BC| = x$ kaç cm dir?

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



ABC üçgeninde, $[AD]$ açıortay, $|BD| = 5 \text{ cm}$
 $|DC| = 6 \text{ cm}$, $\text{Çevre}(ABC) = 33 \text{ cm}$ ise
 $|AC|$ kaç cm dir?

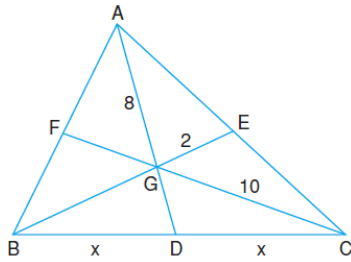
- A) 13 B) 12 C) 11 D) 10 E) 9



ABC üçgeninde G ağırlık merkezidir.

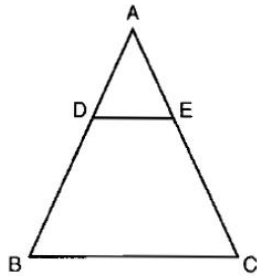
$|AG| = 4$ cm, $|GC| = 5$ cm, $|BG| = 7$ cm ise $V_a + V_b + V_c$ kaç cm dir?

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



ABC üçgeninde, $[AD]$, $[BE]$ ve $[CF]$ kenarortaylardır. $|AG| = 8$ cm, $|GE| = 2$ cm, $|GC| = 10$ cm ise $|BD| = |DC| = x$ kaç cm dir?

- A) $3\sqrt{5}$ B) $\sqrt{42}$ C) 6 D) 5 E) $2\sqrt{6}$



ABC bir üçgen

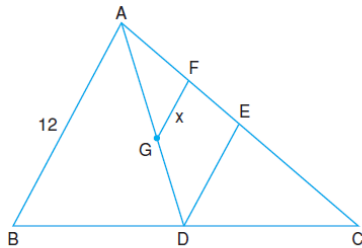
$[DE] \parallel [BC]$

$A(BCED) = 5A(ADE)$

$|AD| = \sqrt{6}$ cm

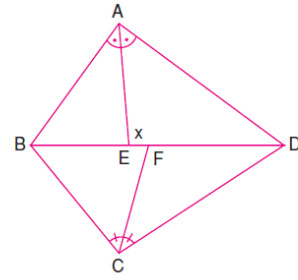
Yukarıdaki verilere göre, $|AB|$ kaç cm dir?

- A) $2\sqrt{6}$ B) $\sqrt{30}$ C) $4\sqrt{2}$ D) 6 E) $3\sqrt{6}$



ABC üçgeninde G ağırlık merkezi ve $[DE] \parallel [GF] \parallel [AB]$ dir. Verilenlere göre x kaç birimdir?

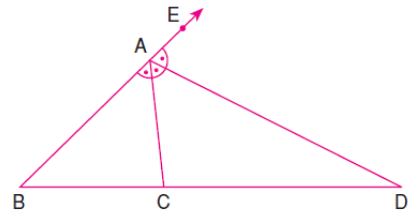
- A) 5 B) 4 C) 3 D) 2 E) 1



ABCD dörtgeninde $|AD| = 2|AB|$, $\frac{|CD|}{|CB|} = \frac{3}{2}$ ve

$|BD| = 9$ cm ise $|EF| = x$ kaç cm dir?

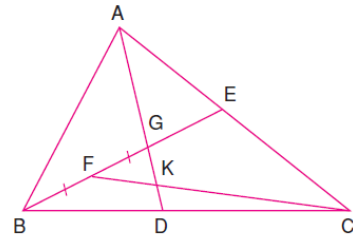
- A) $\frac{3}{5}$ B) $\frac{3}{2}$ C) 2 D) $\frac{5}{2}$ E) 3



ABD üçgeninde, $m(\widehat{EAD}) = m(\widehat{DAC}) = m(\widehat{CAB})$

$|AD| = 2|AB|$ ise $\frac{|AB|}{|AC|}$ kaçtır?

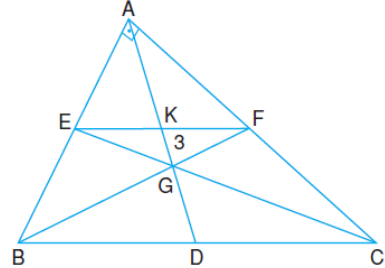
- A) $\frac{1}{2}$ B) $\frac{2}{3}$ C) $\frac{3}{2}$ D) $\frac{4}{3}$ E) $\frac{5}{4}$



ABC üçgeninde G ağırlık merkezidir.

$|BF| = |FG|$, $|KD| = 3$ cm ise $|AD|$ kaç cm dir?

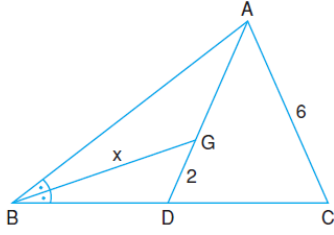
- A) 27 B) 26 C) 25 D) 24 E) 23



ABC üçgeninde $m(\widehat{A}) = 90^\circ$, $|KG| = 3$ br

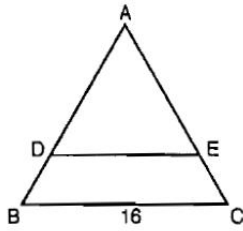
D, E, F noktaları ait oldukları kenarların orta noktaları ise $|EF|$ kaç br dir?

- A) 12 B) 15 C) 18 D) 24 E) 36



ABC üçgeninde, [AD] kenarortay, [BG] açıortay, G ağırlık merkezidir. $|GD| = 2$ cm $|AC| = 6$ cm ise $|BG| = x$ kaç cm dir?

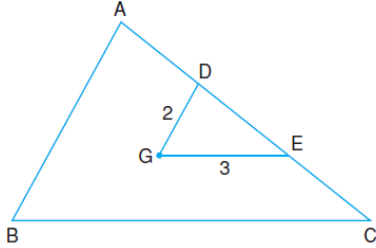
- A) $2\sqrt{7}$ B) $\sqrt{26}$ C) $2\sqrt{6}$
D) $2\sqrt{5}$ E) $3\sqrt{2}$



ABC bir üçgen
[DE] // [BC]
 $|AE| = 3|EC|$
 $|BC| = 16$ cm

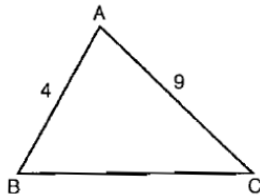
Yukarıdaki verilere göre, $|DE|$ kaç cm dir?

- A) 6 B) 8 C) 9 D) 12 E) 15



ABC üçgeninde G ağırlık merkezi
[GE] // [BC], [GD] // [AB] ise $|AB| + |BC|$ kaç cm dir?

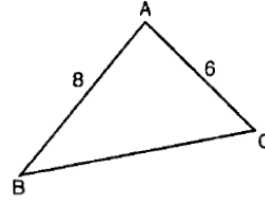
- A) 10 B) 12 C) 14 D) 15 E) 18



ABC bir üçgen
 $|AB| = 4$ cm
 $|AC| = 9$ cm

Yukarıdaki verilere göre, ABC üçgeninin çevresinin en büyük tamsayı değeri kaç cm dir?

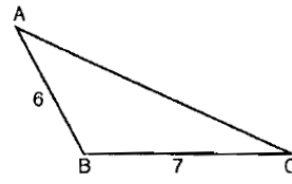
- A) 23 B) 24 C) 25 D) 26 E) 27



ABC bir üçgen
 $|AC| = 6$ cm
 $|AB| = 8$ cm
 $m(\hat{A}) > m(\hat{B})$

Yukarıdaki verilere göre, $|BC|$ için aşağıdakilerden hangisi doğrudur?

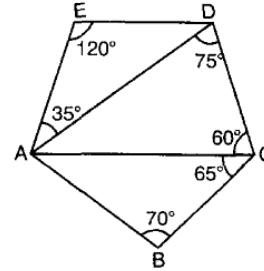
- A) $2 < |BC| < 14$ B) $6 < |BC| < 14$
C) $5 < |BC| < 10$ D) $8 < |BC| < 15$
E) $10 < |BC| < 16$



ABC bir üçgen
 $m(\hat{ABC}) > 90^\circ$
 $|AB| = 6$ cm
 $|BC| = 7$ cm

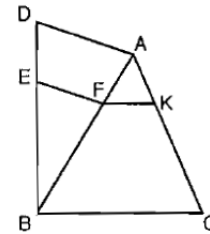
Yukarıdaki verilere göre, $|AC|$ nin alacağı tamsayı değerleri toplamı kaçtır?

- A) 33 B) 42 C) 50 D) 57 E) 60



Yukarıdaki şekilde verilen açı ölçülerine göre, uzunluğu en büyük olan kenar aşağıdakilerden hangisidir?

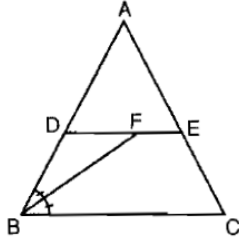
- A) [AD] B) [AC] C) [BC] D) [AB] E) [DC]



ABC ve ABD birer üçgen
[EF] // [DA]
[FK] // [BC]
 $|IK| = 4|AK|$
 $|IE| = 2$ cm

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

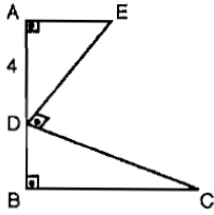
- A) $\frac{5}{2}$ B) 3 C) $\frac{7}{2}$ D) 4 E) 5



ABC bir üçgen
 $[DE] \parallel [BC]$
 $[BE]$ açıortay
 $5|AE| = 3|AC|$
 $|AB| = 5$ cm

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

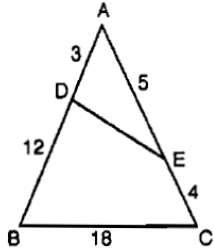
- A) 1 B) $\frac{3}{2}$ C) 2 D) $\frac{5}{2}$ E) 3



Düzlemsel şekilde
 $[EA] \perp [AB]$
 $[AB] \perp [BC]$
 $[ED] \perp [DC]$
 $3|DE| = 2|DC|$
 $|AD| = 4$ cm

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

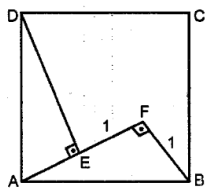
- A) 5 B) 6 C) 8 D) 9 E) 12



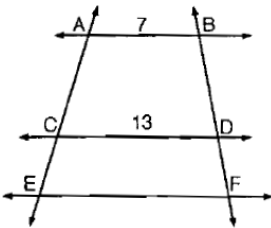
ABC bir üçgen
 $|AD| = 3$ cm
 $|AE| = 5$ cm
 $|EC| = 4$ cm
 $|DB| = 12$ cm
 $|BC| = 18$ cm

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

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



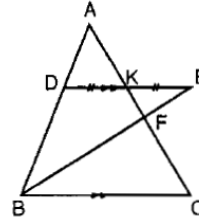
ABCD kare
 $DE \perp AF$
 $AF \perp BF$
 $|EF| = |FB| = 1$ br
 olduğuna göre, $|AB|$ kaç br dir?



$[AB] \parallel [CD] \parallel [EF]$
 $|AC| = 3|EC|$
 $|AB| = 7$ cm
 $|CD| = 13$ cm

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

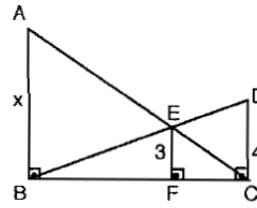
- A) $\frac{27}{2}$ B) 14 C) $\frac{29}{2}$ D) 15 E) 16



ABC bir üçgen
 B, F ve E doğrusal
 $[DE] \parallel [BC]$
 $|DK| = |KE|$
 $|KF| = 1$ cm
 $|FC| = 3$ cm

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

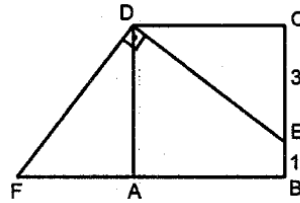
- A) 2 B) 4 C) 6 D) 8 E) 10



$[AB] \perp [BC]$
 $[DC] \perp [CB]$
 $[EF] \perp [BC]$
 $[BD] \cap [AC] = \{E\}$
 $|EF| = 3$ cm
 $|DC| = 4$ cm

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

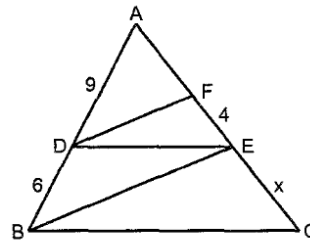
- A) 7 B) 9 C) 12 D) 14 E) 21



ABCD kare
 $DF \perp DE$
 $|BE| = 1$ br
 $|CE| = 3$ br
 F, A, B doğrusal

Yukarıda verilenlere göre, $|DF|$ kaçtır?

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



ABC üçgeninde
 $DE \parallel BC$
 $DF \parallel BE$
 $|AD| = 9$ br
 $|DB| = 6$ br
 $|FE| = 4$ br

Yukarıda verilenlere göre, $|EC| = x$ kaç br dir?

- A) $\frac{20}{3}$ B) $\frac{15}{2}$ C) $\frac{27}{4}$ D) 5 E) 4