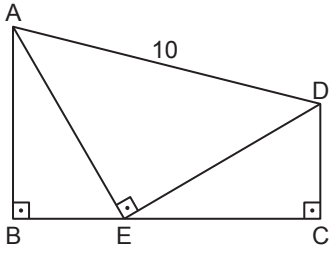


Üçgenlerde Eşlik ve Benzerlik

1.



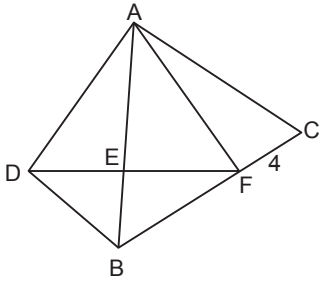
ABCD dörtgeninde $[AB] \perp [BC]$, $[AE] \perp [ED]$, $[BC] \perp [CD]$ ve $E \in [BC]$ 'dir.

$|AE| = |ED|$, $|AD| = 10$ cm, $|BC| = 8$ cm ve $|BE| < |EC|$

olduğuna göre $|DC|$ kaç santimetredir?

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

2.

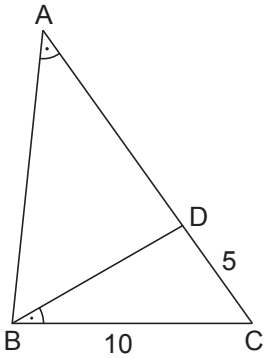


ABC ve ADF eşkenar üçgen, $[AB] \cap [DF] = \{E\}$,

$F \in [BC]$ ve $|FC| = 4$ cm olduğuna göre $|BD|$ kaç santimetredir?

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

3.



ABC üçgeninde

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

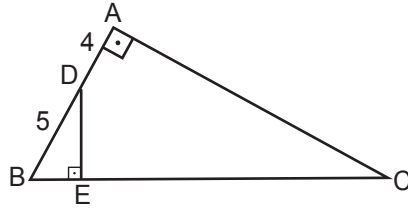
$$|BC| = 10$$

$$|DC| = 5 \text{ cm'dir.}$$

Yukarıda verilenlere göre $|AD|$ kaç santimetredir?

- A) 10 B) 12 C) 13 D) 15 E) 16

4.



ABC üçgeninde

$$|AC| = 3|DE|$$

$$[AB] \perp [AC]$$

$$[DE] \perp [BC]$$

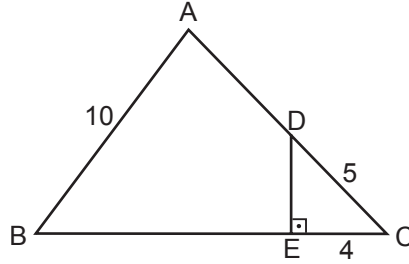
$$|BD| = 5 \text{ cm}$$

$$|AD| = 4 \text{ cm'dir.}$$

Yukarıda verilenlere göre $|EC|$ kaç santimetredir?

- A) 10 B) 11 C) 12 D) 15 E) 16

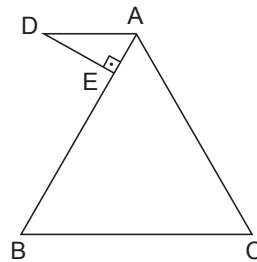
5.



ABC üçgeninde $m(\widehat{ABC}) = 2 \cdot m(\widehat{EDC})$, $|EC| = 4$ cm, $|AB| = |BC| = 10$ cm ve $|DC| = 5$ cm olduğuna göre $|AD|$ kaç santimetredir?

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

6.



ABC ikizkenar üçgen

$$|AC| = |BC|$$

$$[DE] \perp [AB]$$

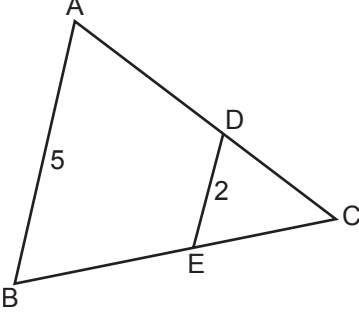
$$[AD] \parallel [BC]$$

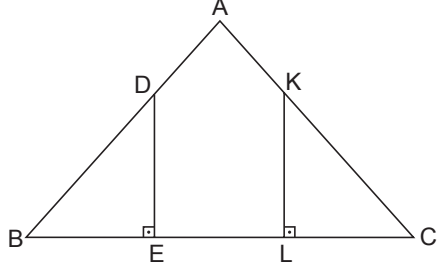
$$|BA| = 6|AE| \text{ tir.}$$

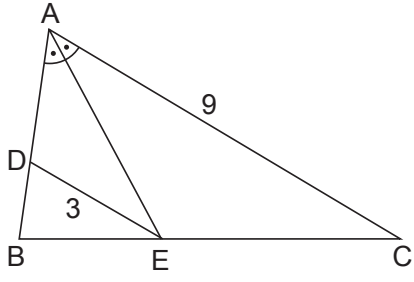
Yukarıda verilenler göre $\frac{|AD|}{|AC|}$ nedir?

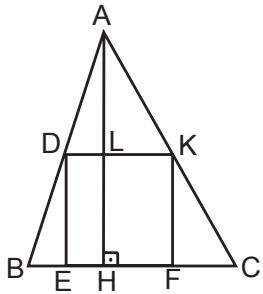
- A) $\frac{1}{3}$ B) $\frac{2}{5}$ C) $\frac{1}{4}$ D) $\frac{1}{5}$ E) $\frac{1}{2}$

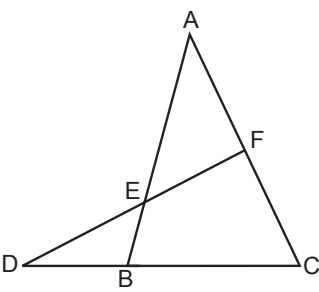
Üçgenlerde Eşlik ve Benzerlik

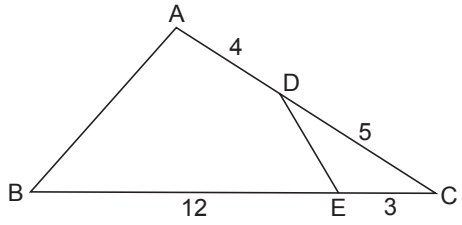
7.  ABC üçgeninde
 $[DE] \parallel [AB]$
 $|DE| = 2 \text{ cm}$
 $|AB| = 5 \text{ cm}$
 $|AD| - |DC| = 1 \text{ cm'dir.}$
- Yukarıda verilenlere göre $|DC|$ kaç santimetredir?
- A) $\frac{3}{2}$ B) 2 C) $\frac{5}{2}$ D) 3 E) 4

10.  ABC üçgeninde
 $[DE] \perp [BC]$
 $[KL] \perp [BC]$
 $|AB| = |AC|$
 $|BE| = |EL|$
 $5|AB| = 7|BD|$ 'tir.
- Yukarıda verilenlere göre $\frac{|AD|}{|AK|}$ nedir?
- A) $\frac{2}{5}$ B) $\frac{3}{4}$ C) $\frac{1}{2}$ D) $\frac{1}{3}$ E) $\frac{2}{3}$

8.  ABC üçgeninde $[AE]$, \widehat{BAC} 'nın açıortayı, $[DE] \parallel [AC]$, $|DE| = 3 \text{ cm}$ ve $|AC| = 9 \text{ cm}$ olduğuna göre $|BD|$ kaç santimetredir?
- A) 3 B) $\frac{5}{2}$ C) 2 D) $\frac{5}{4}$ E) $\frac{3}{2}$

11.  ABC üçgeninin BC kenarına ait yükseklik 10 cm'dir. DEFK karesinin çevresi 16 cm olduğuna göre $|BC|$ kaç santimetredir?
- A) 5 B) 6 C) $\frac{20}{3}$ D) 7 E) $\frac{22}{3}$

9.  ABC ve DEF üçgenlerinde
 $|DF| = 3|DE|$
 $|AF| = |FC|$
 $|AE| = 10 \text{ cm'dir.}$
- Yukarıda verilenlere göre $|BE|$ kaç santimetredir?
- A) 5 B) 4 C) 3 D) 2 E) 1

12.  ABC üçgeninde
 $|AD| = 4 \text{ cm}$
 $|DC| = 5 \text{ cm}$
 $|EC| = 3 \text{ cm}$
 $|BE| = 12 \text{ cm'dir.}$
- Yukarıda verilenlere göre $\frac{|DE|}{|AB|}$ nedir ?
- A) $\frac{1}{2}$ B) $\frac{1}{3}$ C) $\frac{1}{4}$ D) $\frac{2}{3}$ E) $\frac{3}{4}$

