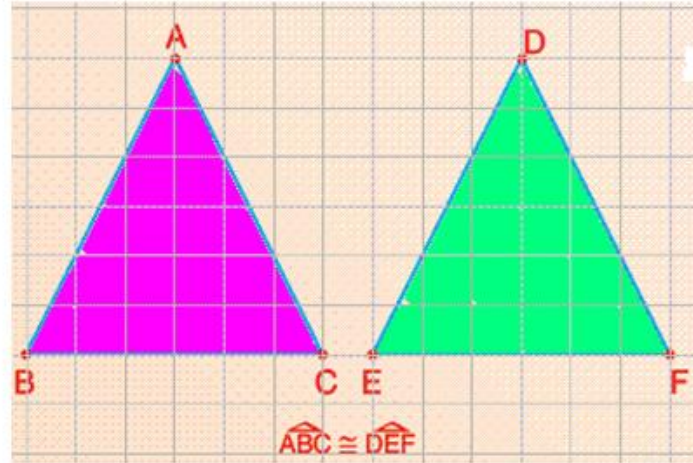
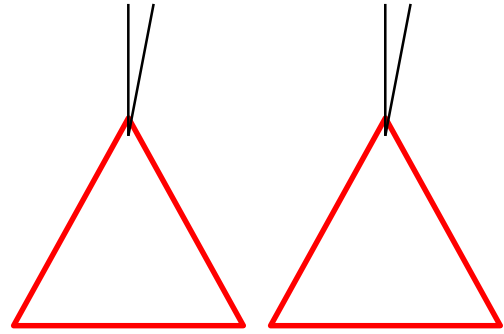
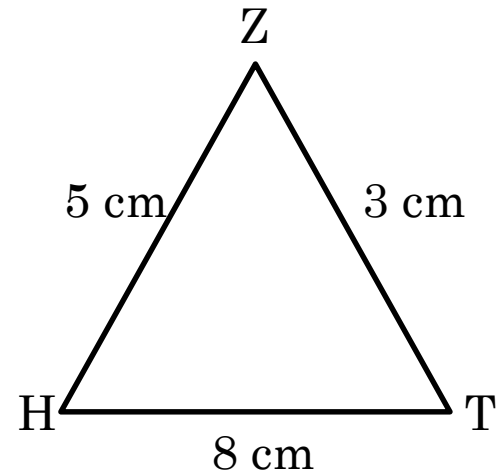
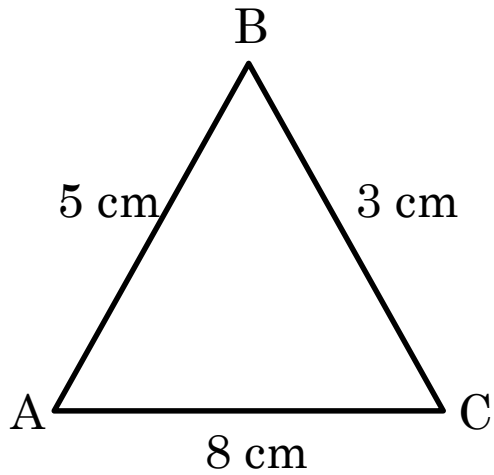
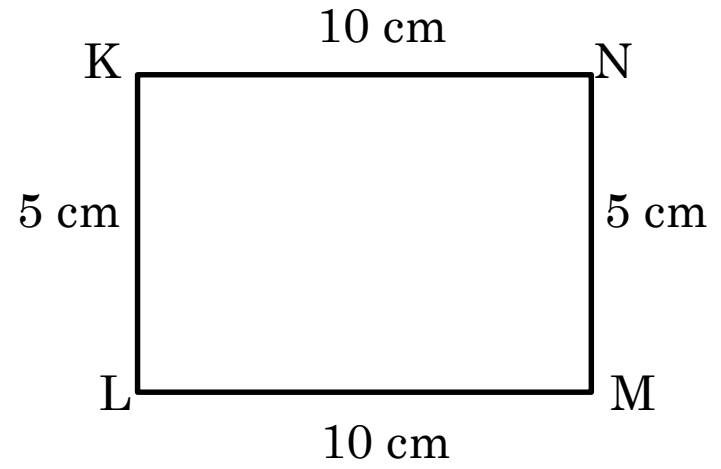
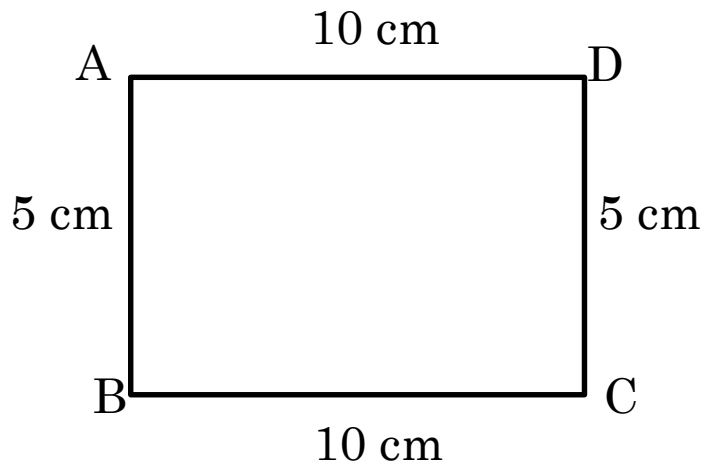


EŐLİK VE BENZERLİK



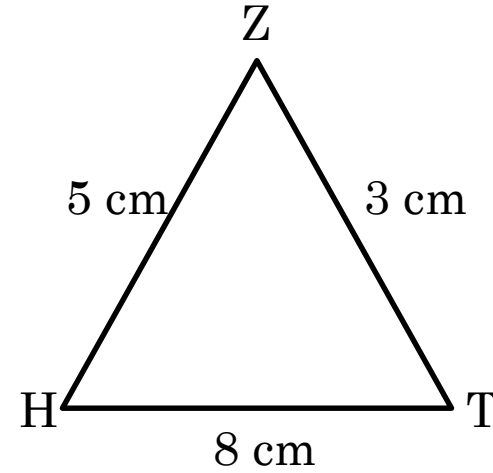
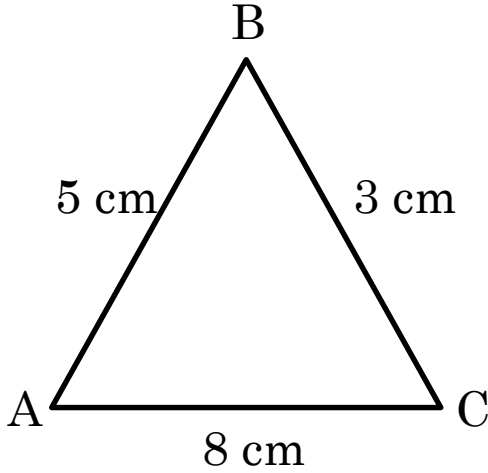






EŞ ÇOKGENLER

- Kenar uzunlukları ve açı ölçüleri birbirine eşit olan çokgenlere eş çokgenler denir.

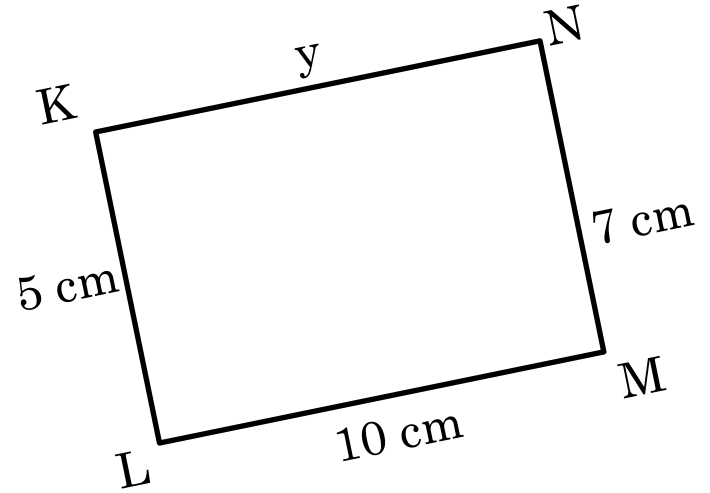
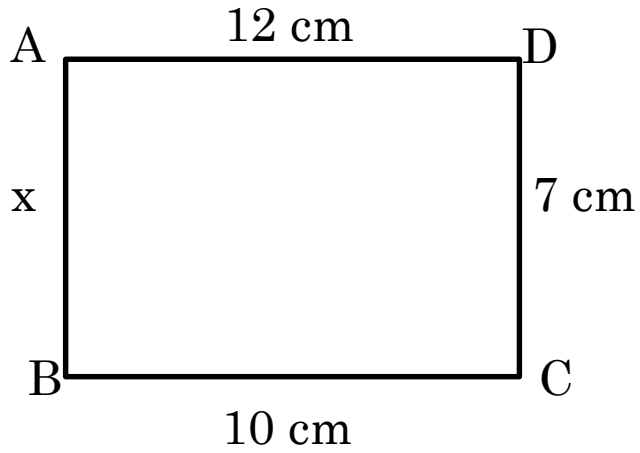


ABC ve HZT üçgenleri eş üçgenlerdir.



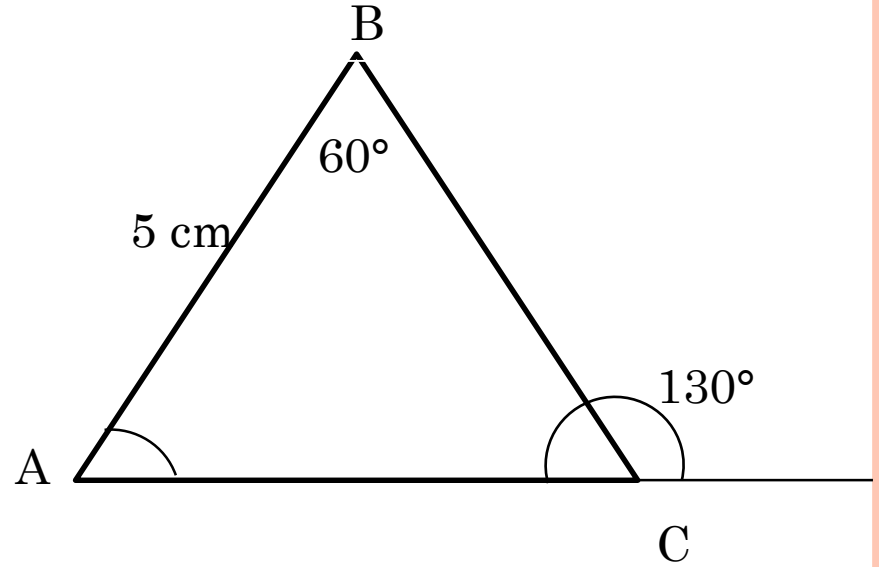
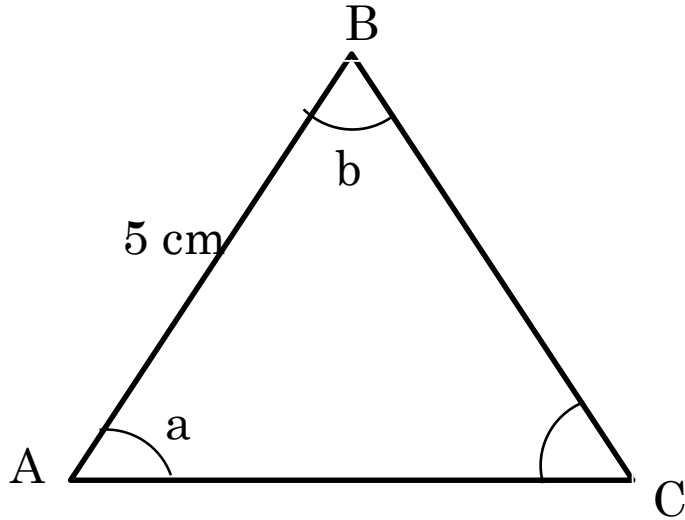
ÖRNEK:

ABCD ve KLMN eş çokgenler ise $x + y = ?$



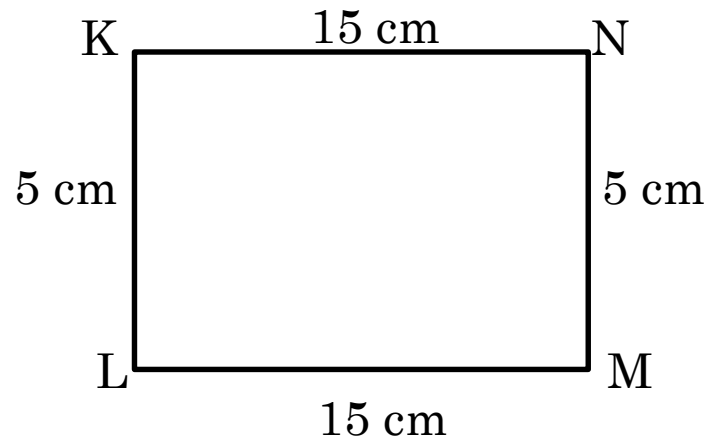
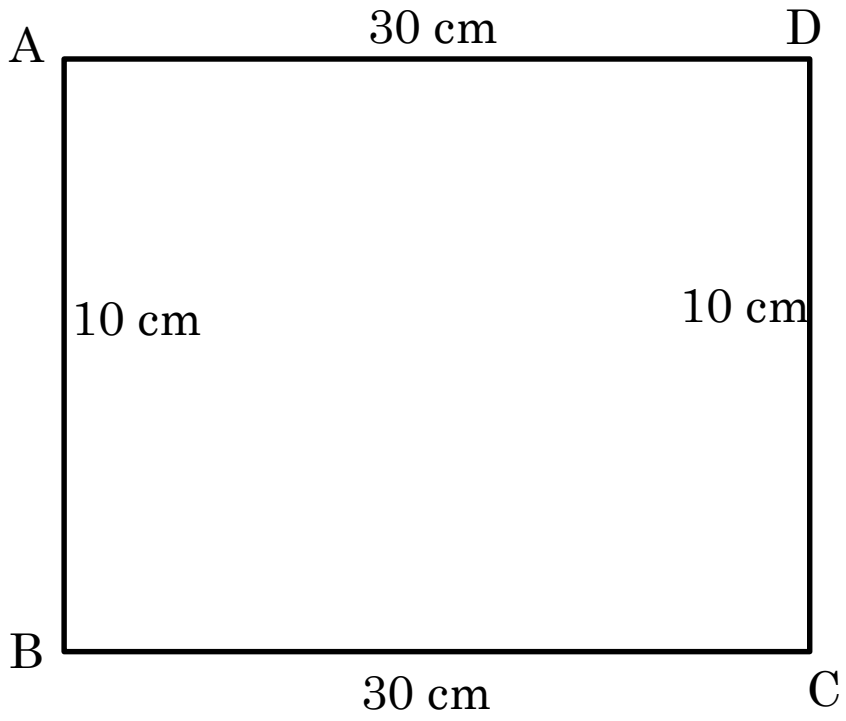
○ ÖRNEK:

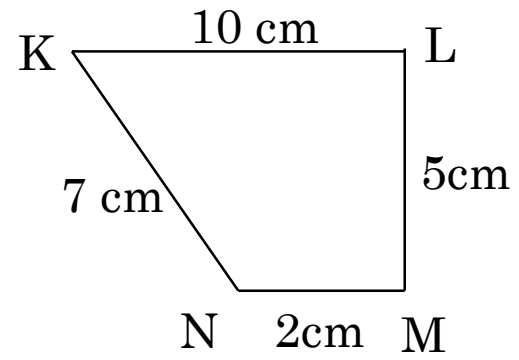
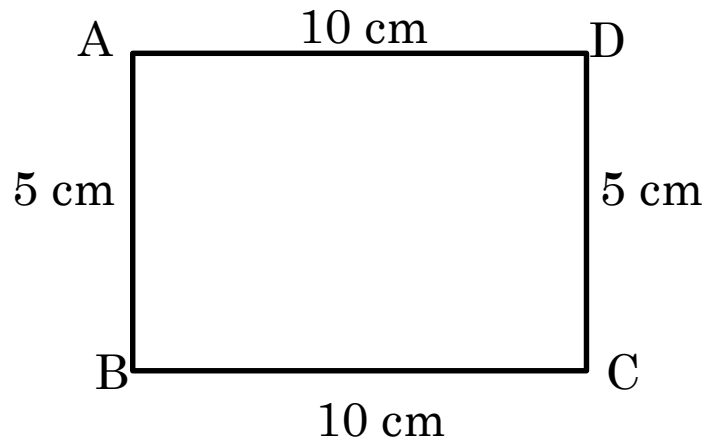
ABC ve DEF üçgenleri eş üçgenler ise $a+b = ?$







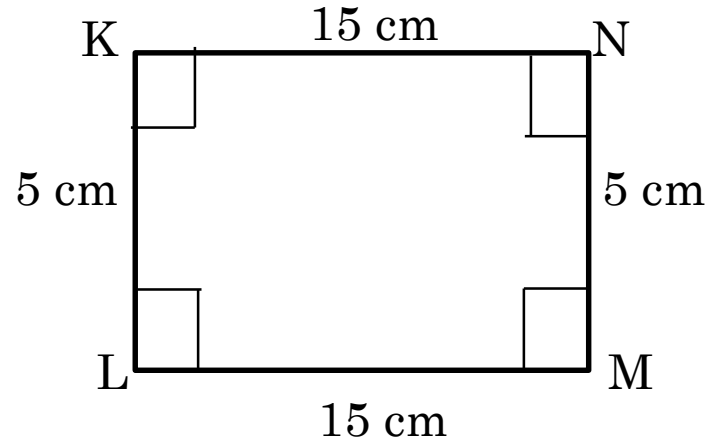
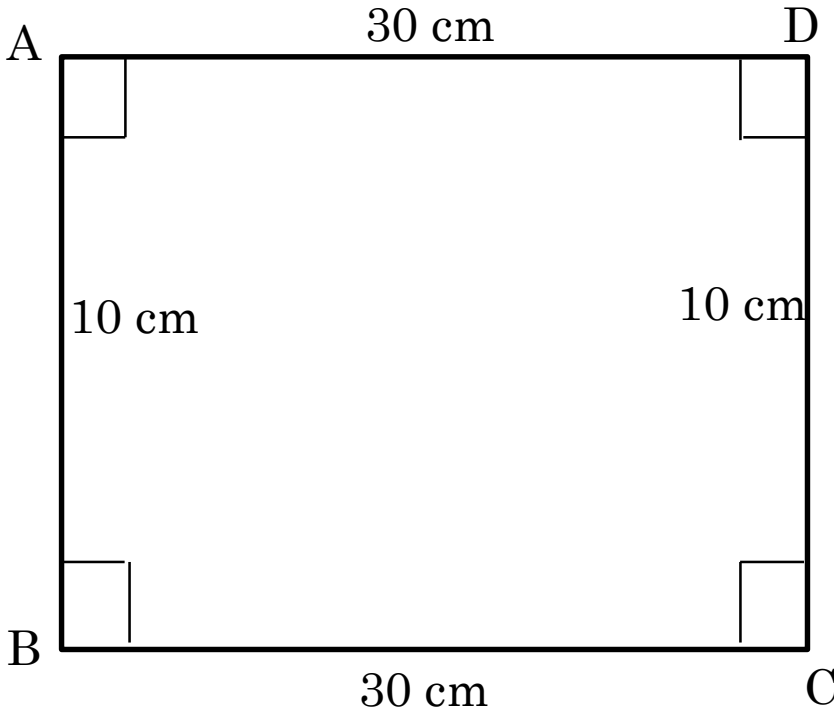




BENZER ÇOKGENLER

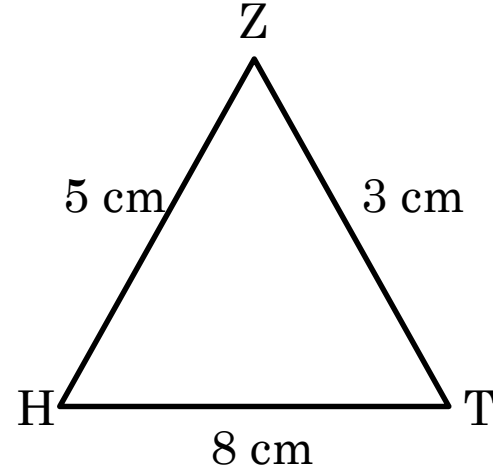
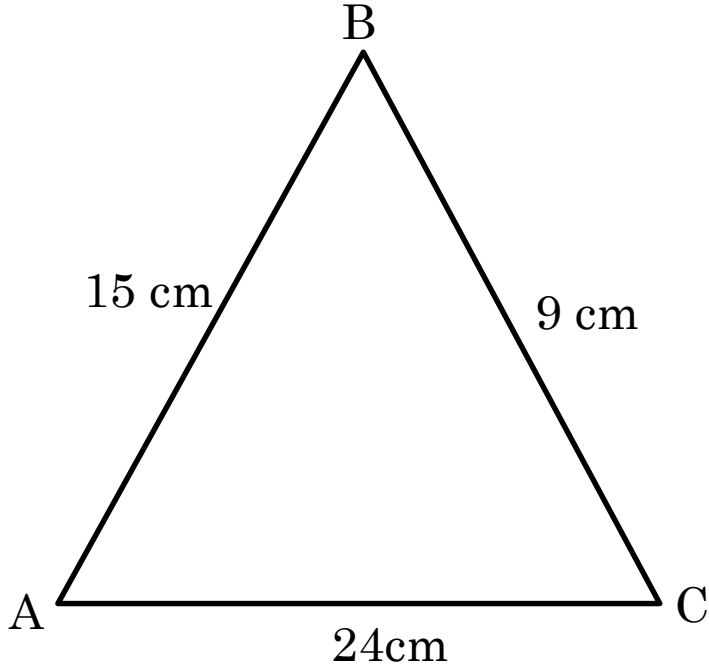
- Açıları eş karşılıklı kenar uzunlukları oranı birbirine eşit olan çokgenlere **benzer çokgenler** denir.
- Kenar uzunlukların oranına ise **benzerlik oranı** denir.
- Benzerlik sembolü \sim 'dir.

$$ABCD \sim KLMN$$



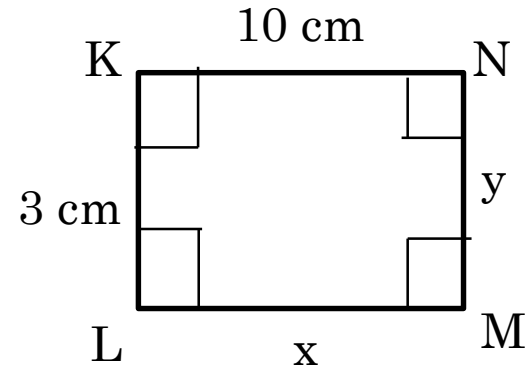
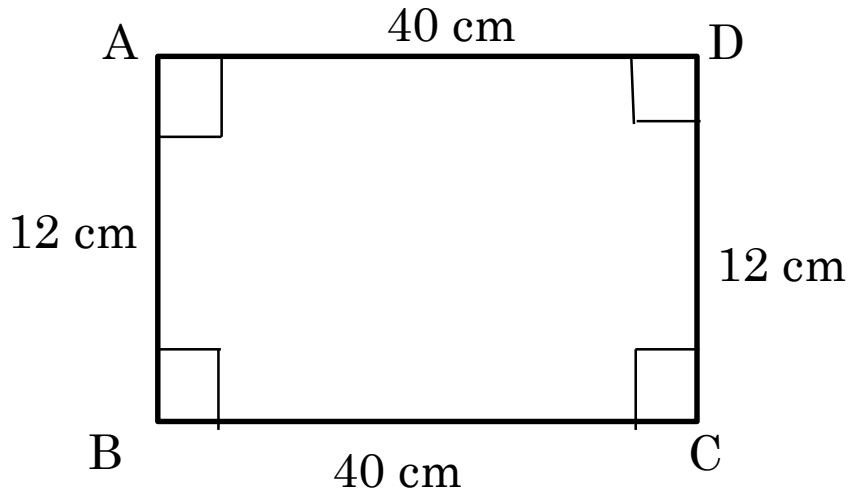
○ ÖRNEK:

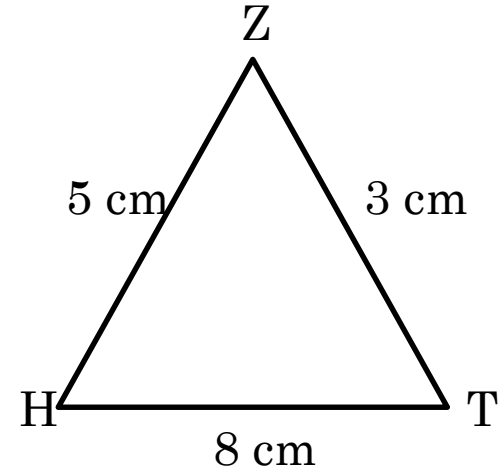
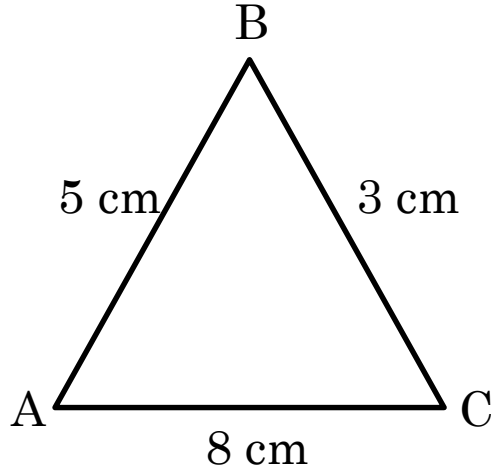
Aşağıdaki üçgenler benzer üçgenler ise benzerlik oranını kaçtır?



○ ÖRNEK:

Aşağıdaki dörtgenlerin benzerlik oranı 4 ise $x + y = ?$



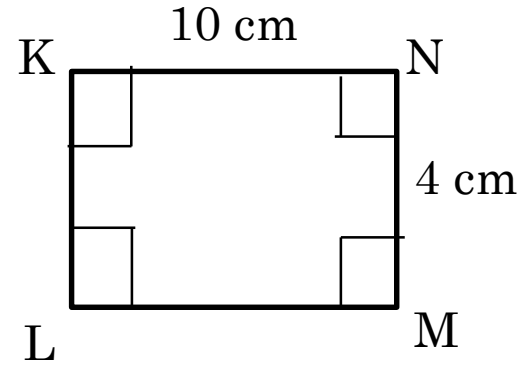
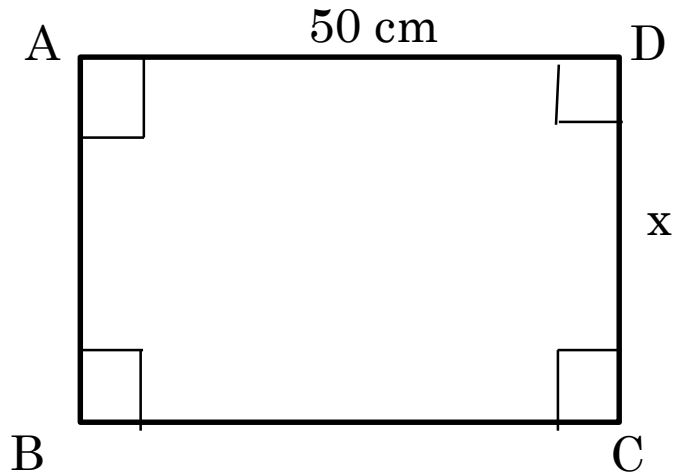


- Eş çokgenler aynı zamanda benzer çokgenlerdir ve benzerlik oranı 1 'dir.
- **Not:** Her benzer çokgen eş çokgen değildir.



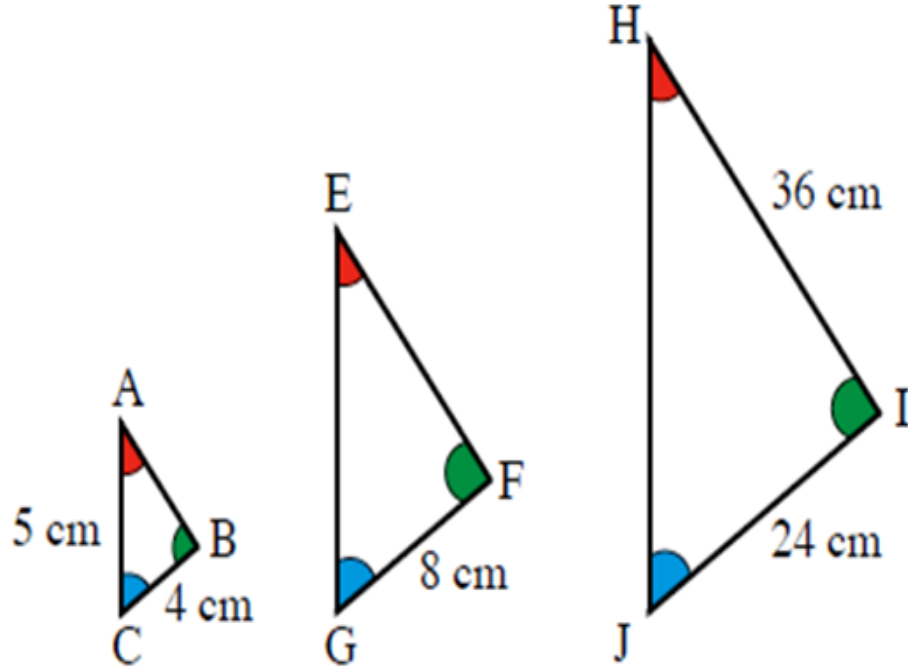
○ ÖRNEK:

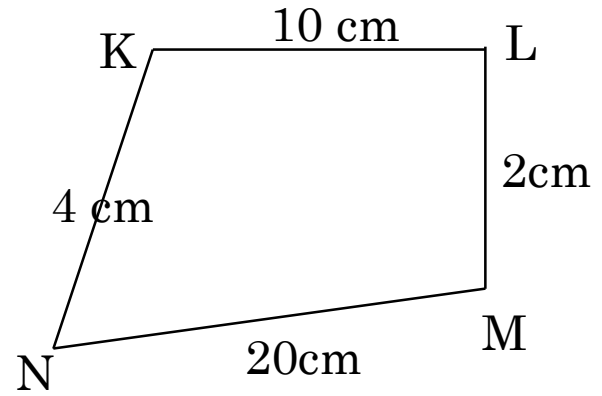
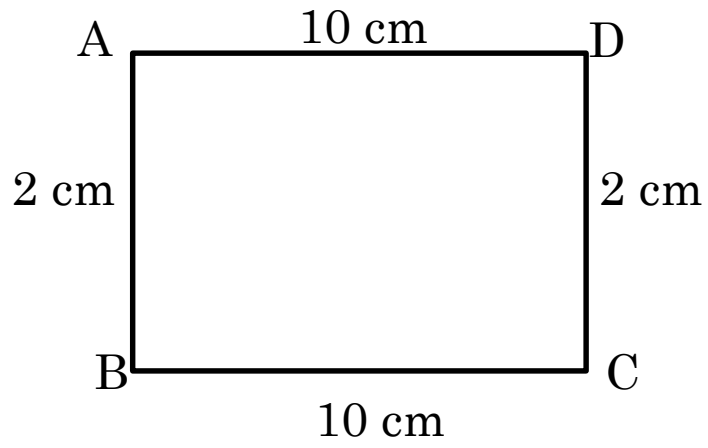
ABCD ve KLMN benzer çokgenler ise $x = ?$



Örnek

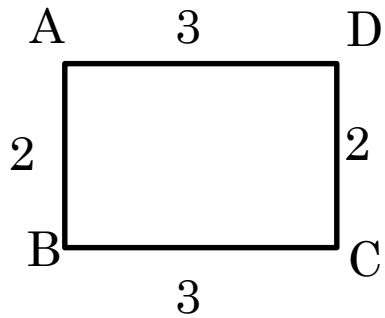
Aşağıda birbirine benzer 3 üçgen verilmiştir. Üçgenlerin eş açıları aynı renge boyanmıştır. Verilenlere göre EG, HJ, EF ve AB doğru parçalarının uzunluklarını bulunuz.



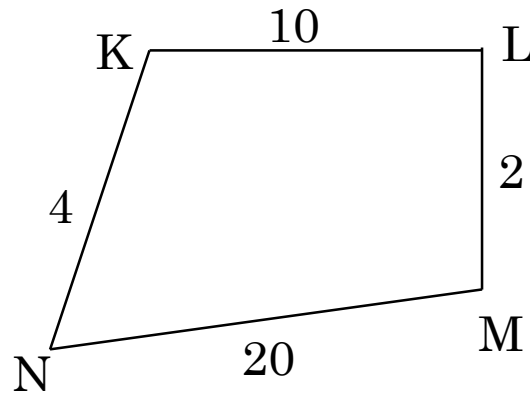


○ Hangi çokgenler benzer çokgenlerdir?

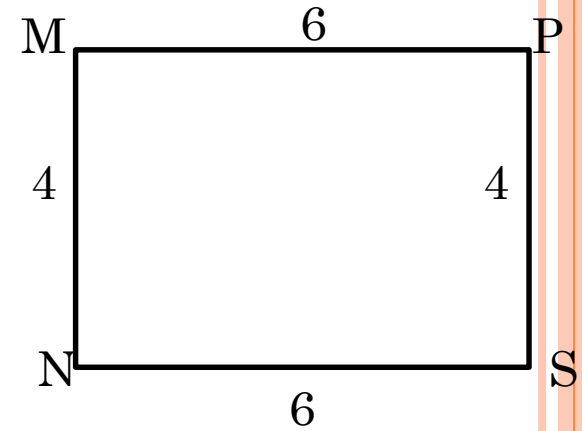
I



II

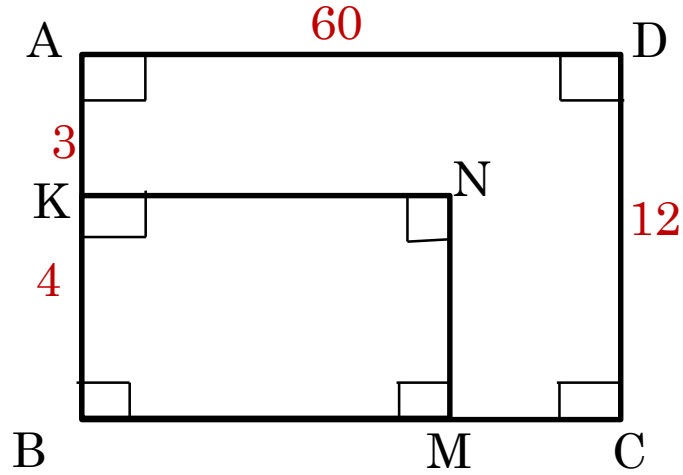


III



○ ÖRNEK:

ABCD ve KBMN benzer çokgenler ise KBMN çokgeninin çevresi kaç cm dir?



○ **ÖRNEK:**







