

ARAKESİTLER KÜP PRİZMA

ÖMER ASKERDEN

PİRİ MEHMET PAŞA ORTAOKULU

UZMAN İLKÖĞRETİM MATEMATİK ÖĞRETMENİ

omeraskerden@hotmail.com.tr

ARAKESİTLER:

Bir geometrik cismi bir düzlemlle kestiğimizde düzlem ile cismin ortak yüzeyine **arakesit** denir.

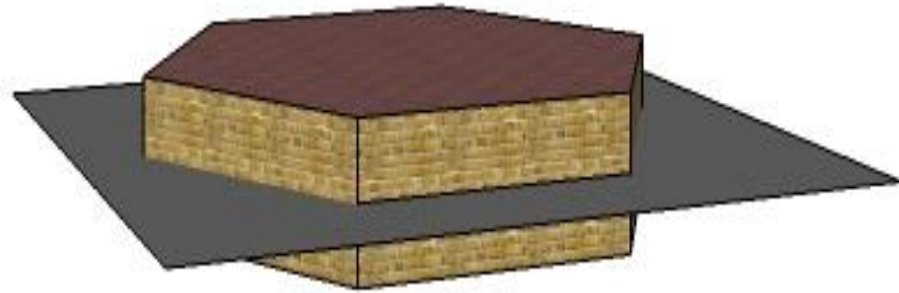
Bir çok yüzlü bir düzlemlle kesildiğinde oluşan arakesit yüzeyinin köşe sayısı en fazla çok yüzlünün yüz sayısı kadardır.

Küp 6 yüzlü olduğu için Küp bir düzlemlle kesildiğinde oluşan çokgen en fazla 6 gen oluşur.

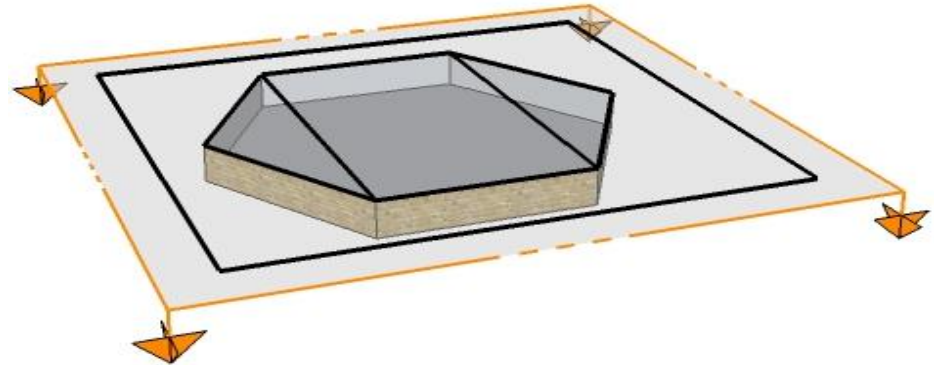
Kare dik piramit 5 yüzlü olduğu için Kare dik piramit bir düzlemlle kesildiğinde oluşan çokgen en fazla 5 gen oluşur.

Üçgen dik prizma 5 yüzlü olduğu için Üçgen dik prizma bir düzlemlle kesildiğinde oluşan çokgen en fazla 5 gen oluşur.

Arakesit
düzlemi

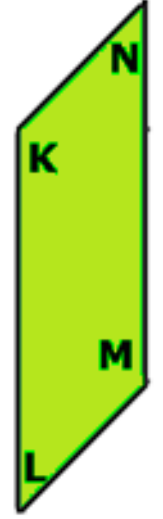
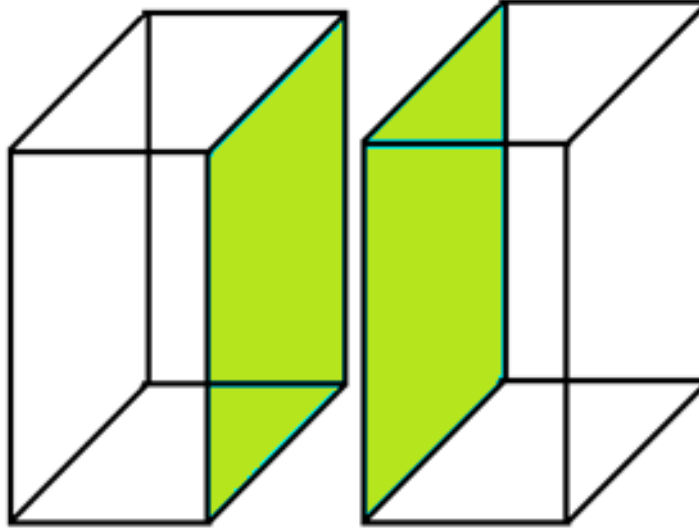
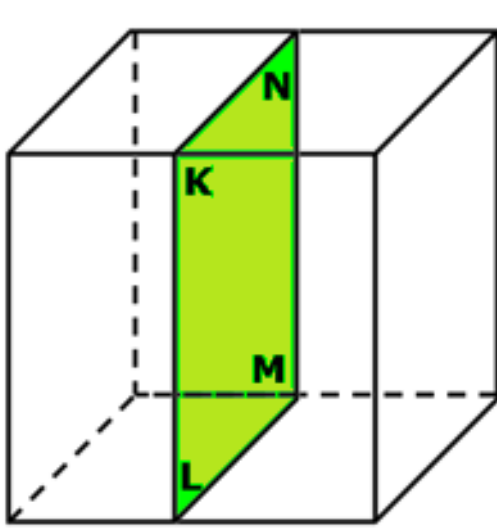


Arakesit düzlemi
düzgün altıgendir.

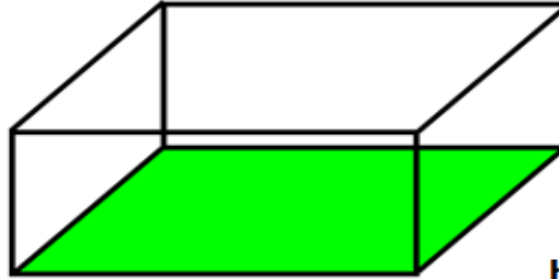
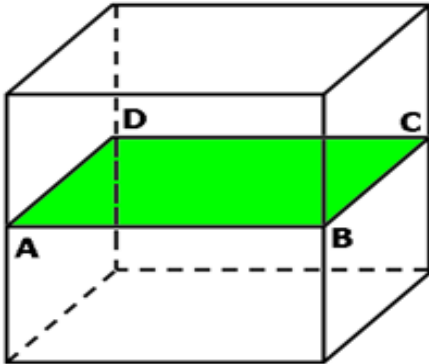


1)KÜP PRİZMANIN BİR DÜZLEM İLE ARAKESİTLERİ:

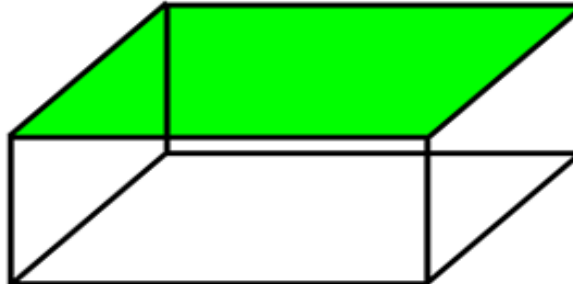
Bir geometrik cismi (küp prizma) bir düzlemlle kestiğimizde düzlem ile cismin (küp prizmanın) ortak yüzeyine ARAKESİT denir. Bir küpün bir düzlemlle oluşturduğu arakesitler.

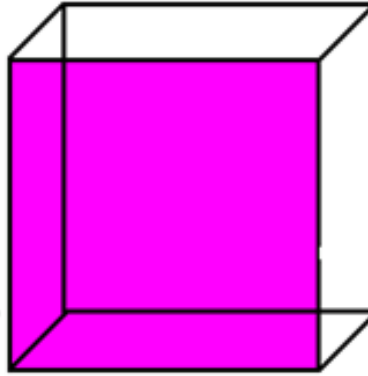
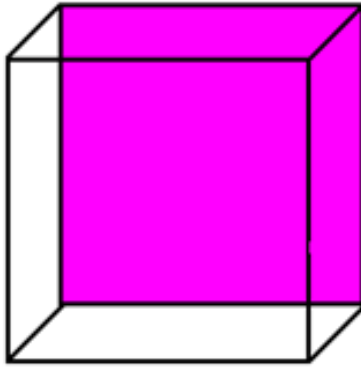
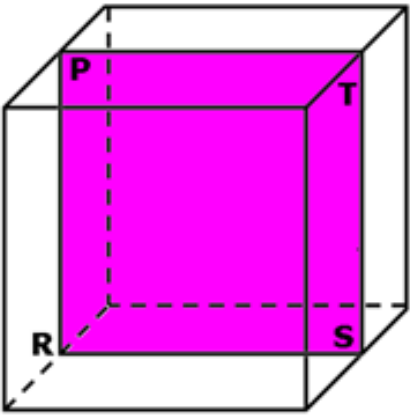


Arakesit bir karedir.

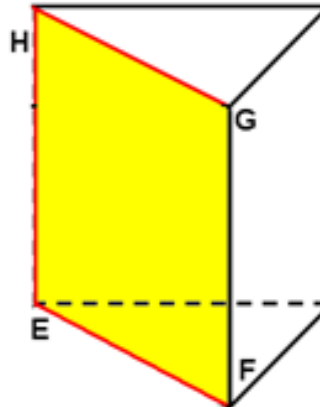
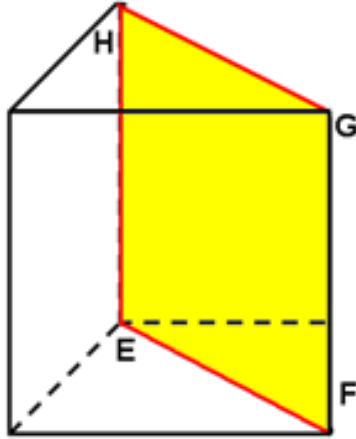
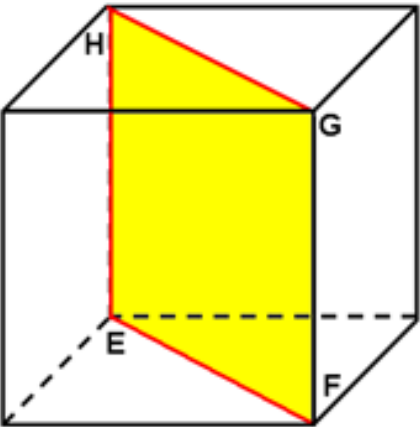
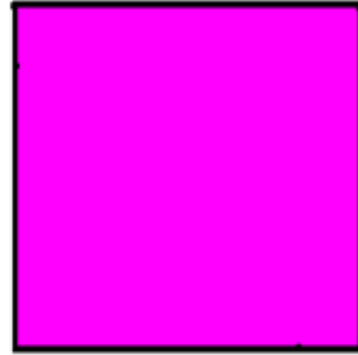


Arakesit
bir karedir.

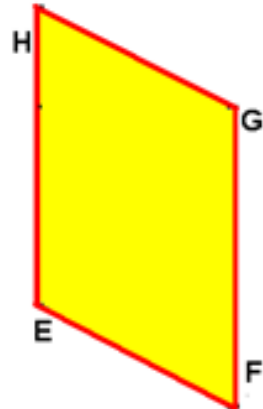


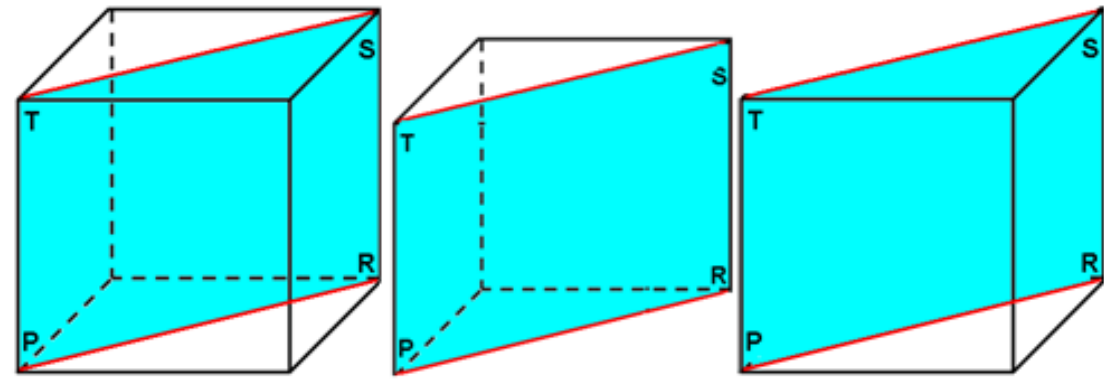


Arakesit düzlemi karedir.

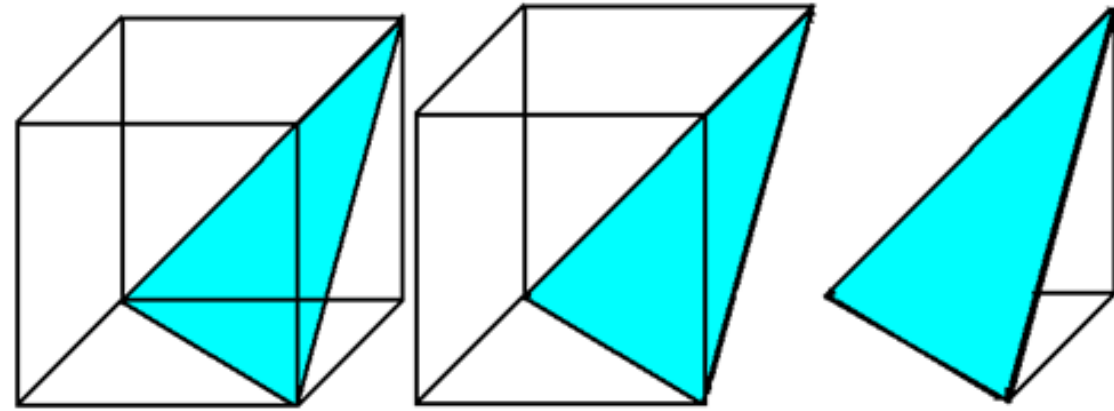
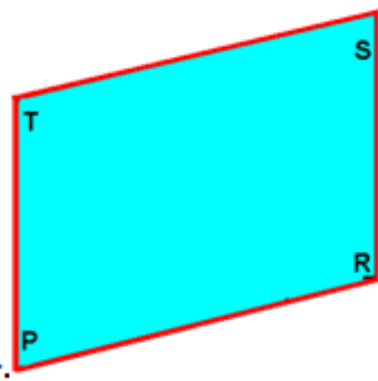


Arakesit düzlemi dikdörtgendir.

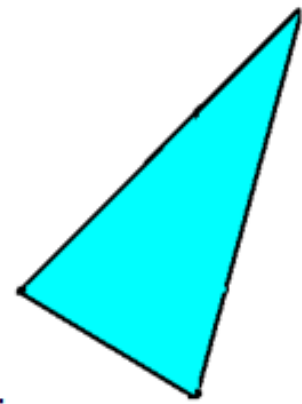


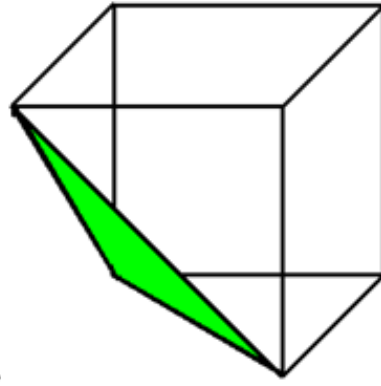
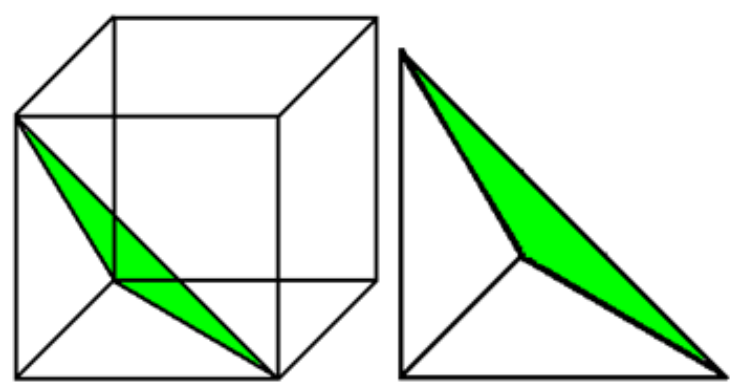


Arakesit düzlemi dikdörtgendir.

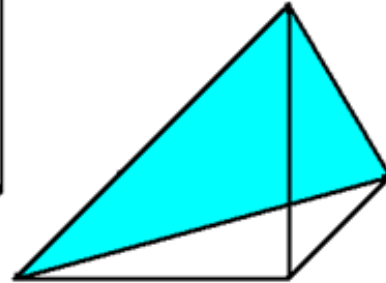
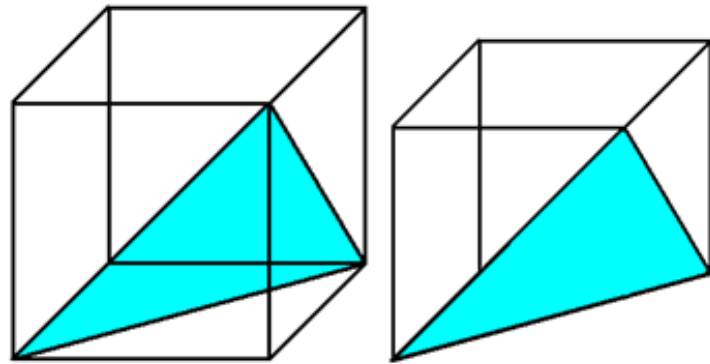
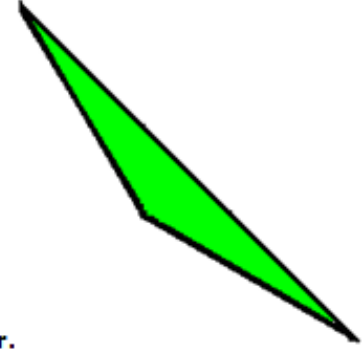


Arakesit düzlemi eşkenar üçgendir.

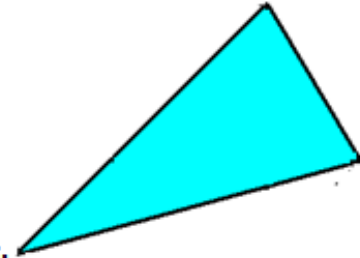


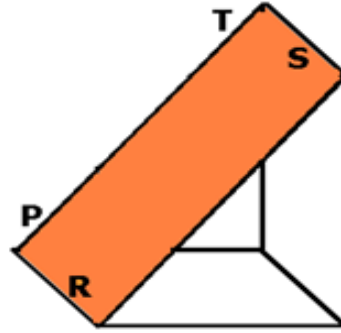
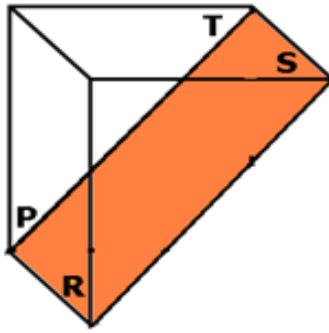
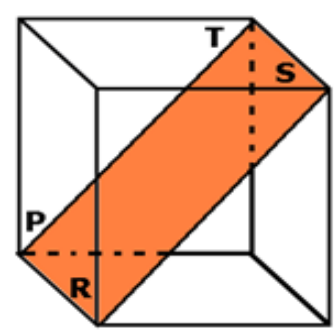


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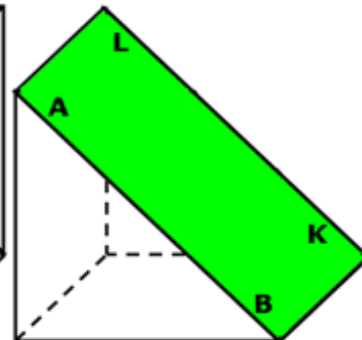
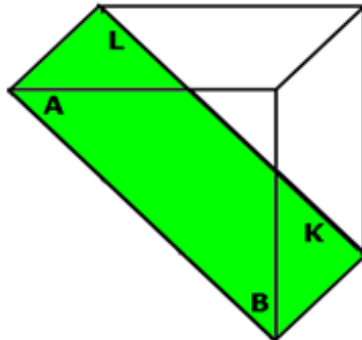
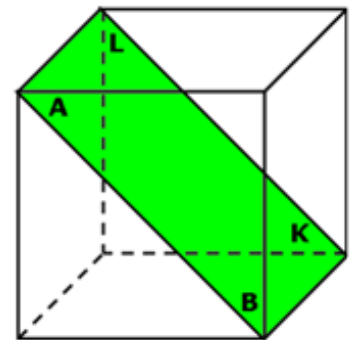
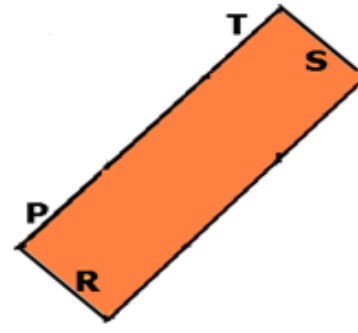


Arakesit düzlemi eşkenar üçgendir.

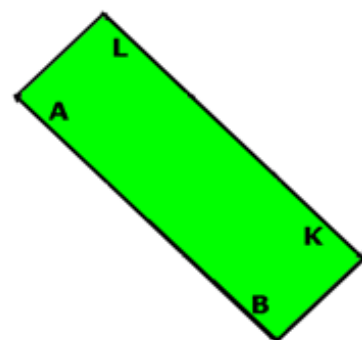


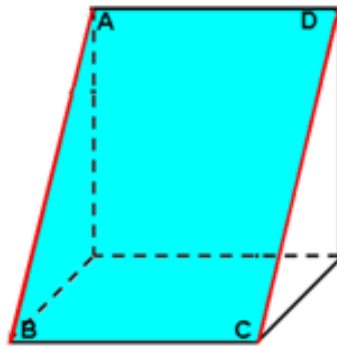
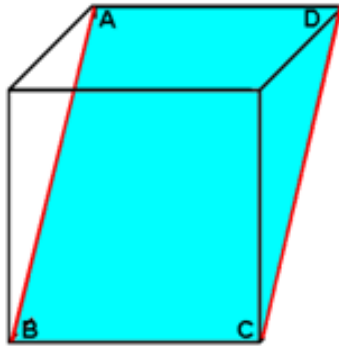
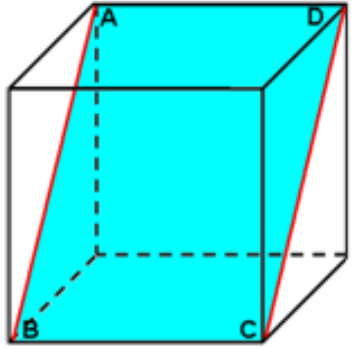


Ara kesit düzlemi bir dikdörtgendir.

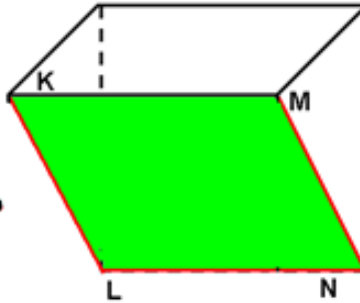
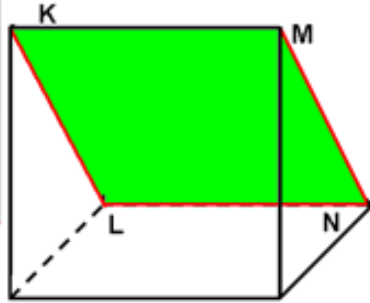
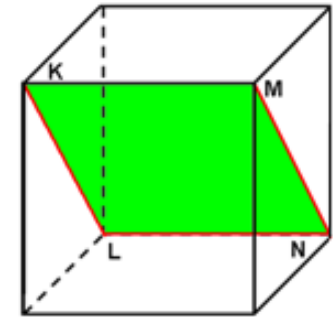
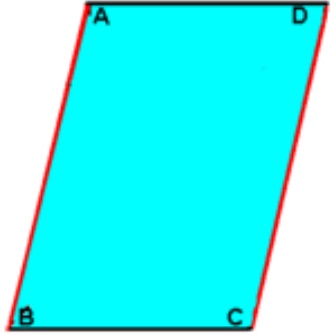


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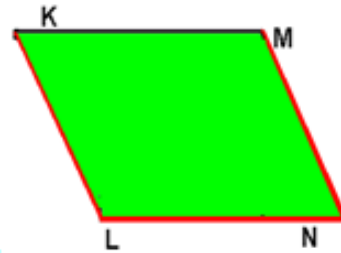




Ara kesit düzlemi bir dikdörtgendir.

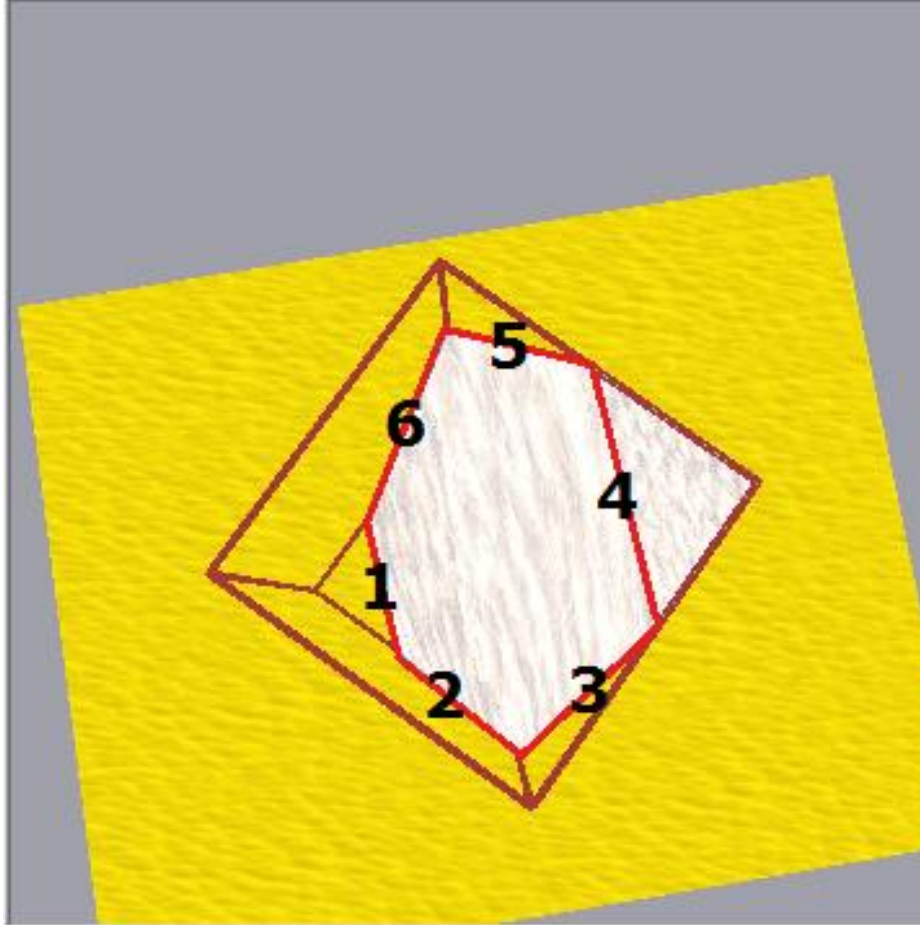


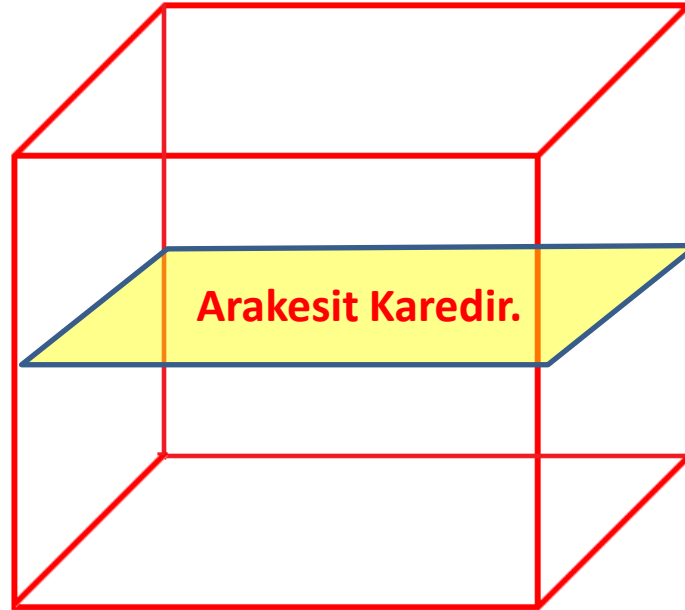
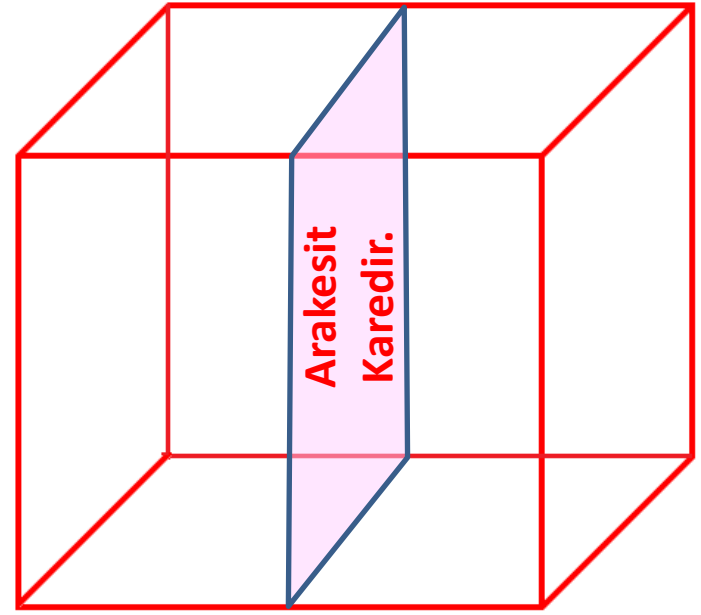
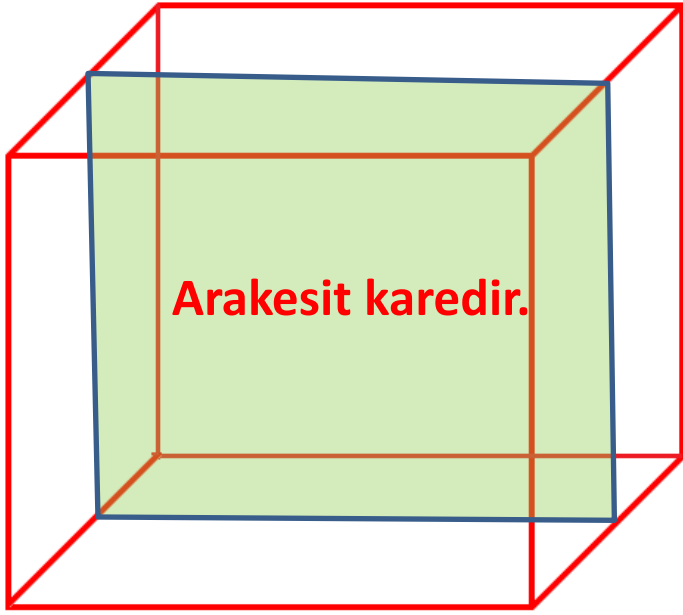
Ara kesit düzlemi bir dikdörtgendir.

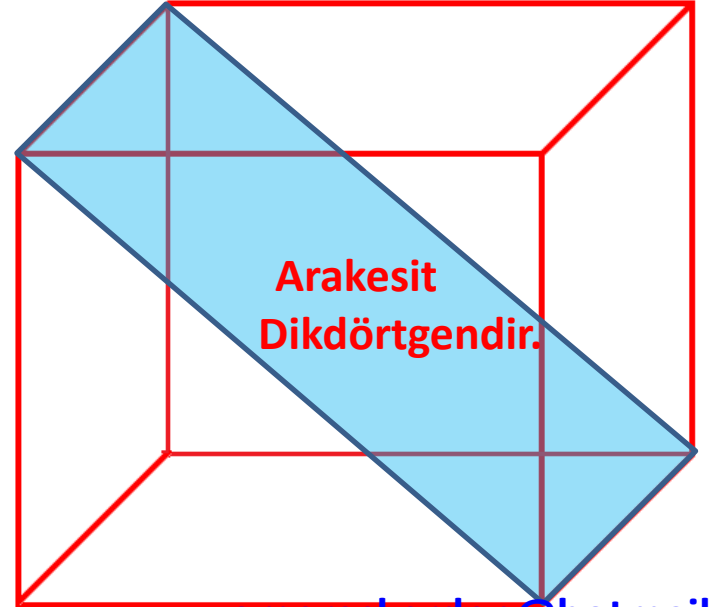
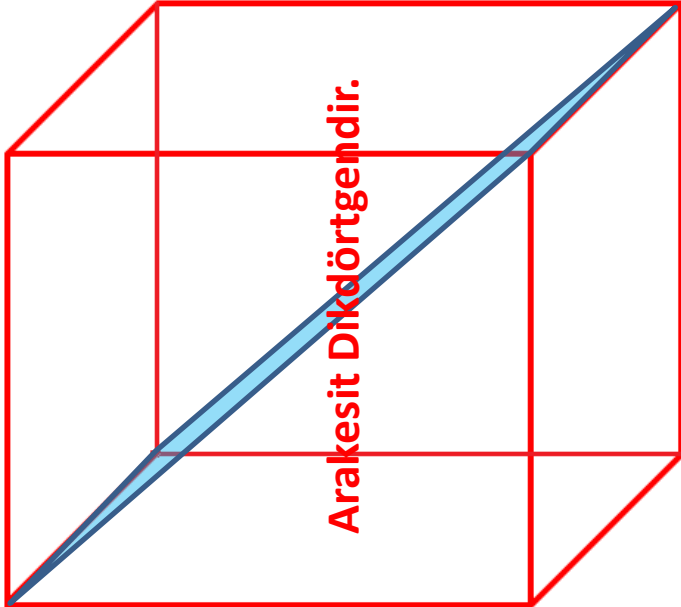
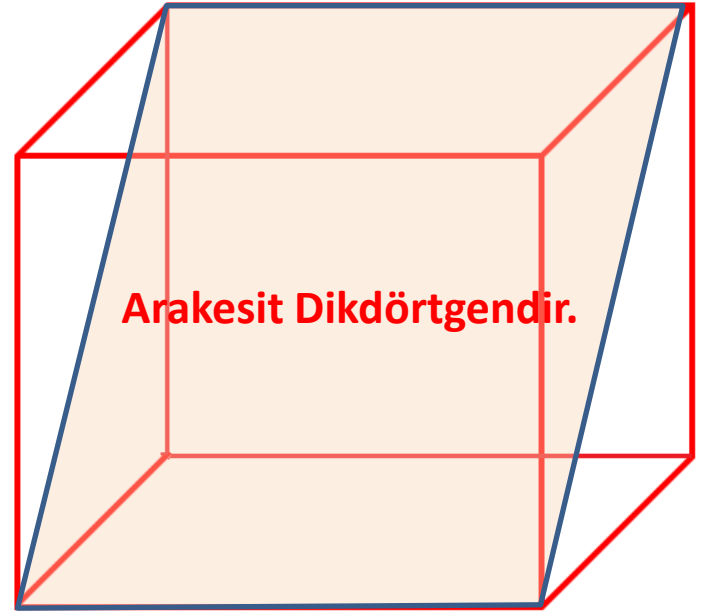
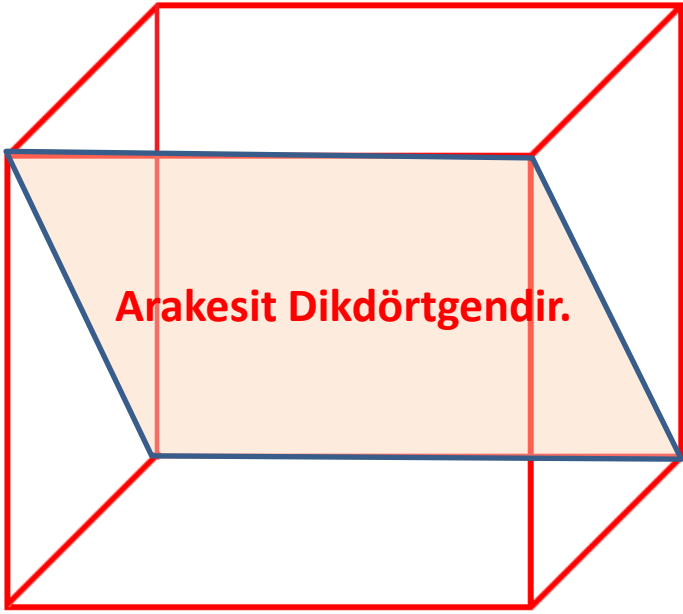


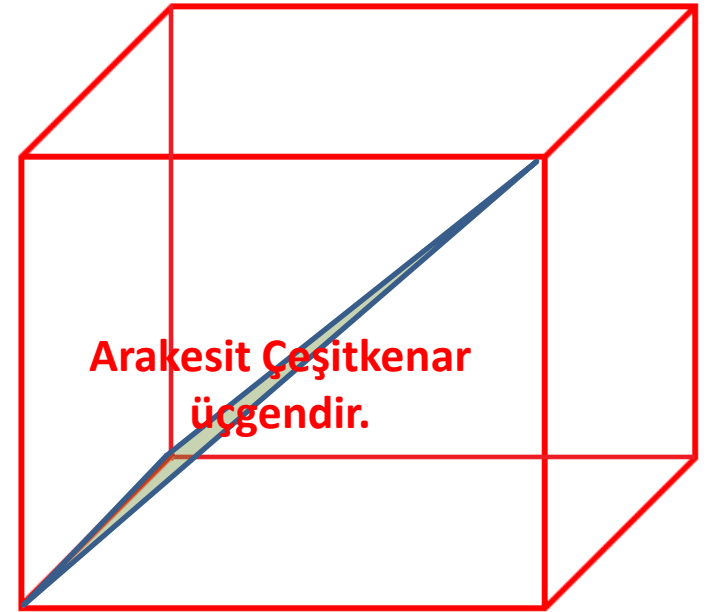
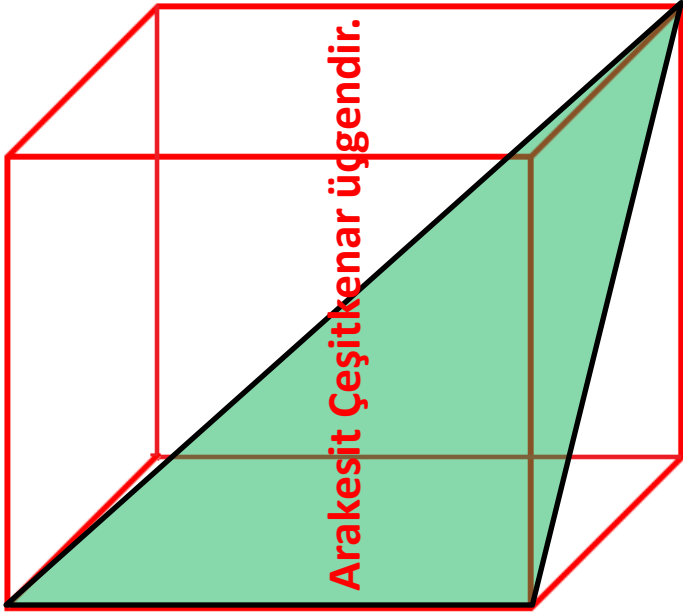
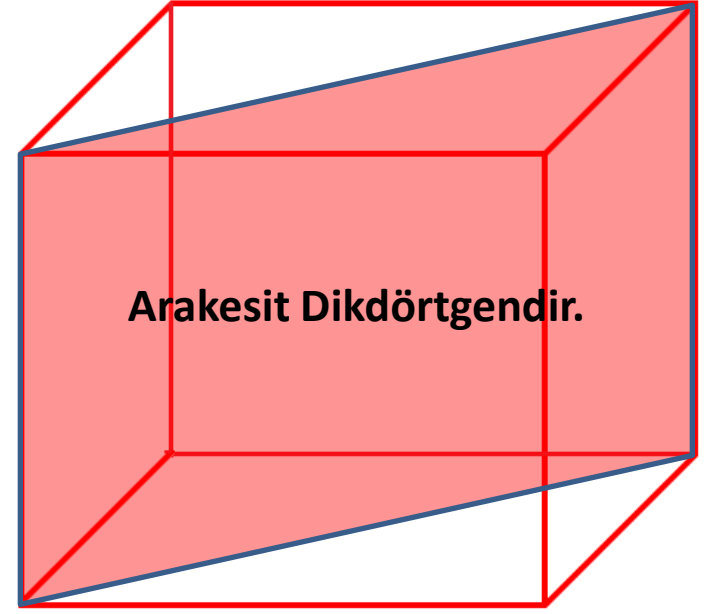
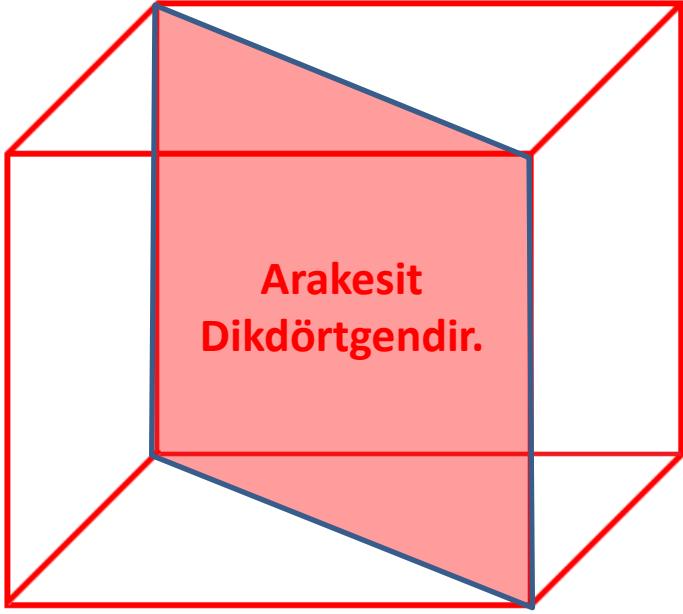
AÇIKLAMA: Bir çok yüzlü bir düzlemle kesildiğinde oluşan arakesit yüzeyinin köşe sayısı en fazla çok yüzlünün yüz sayısı kadardır.

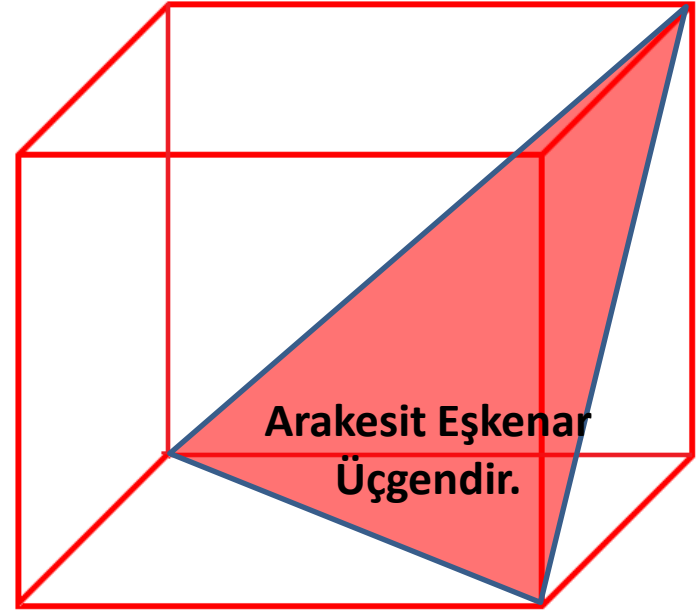
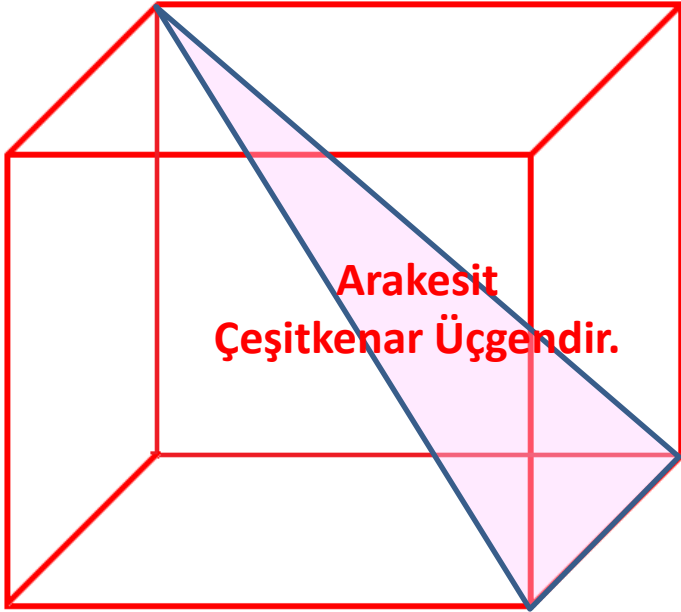
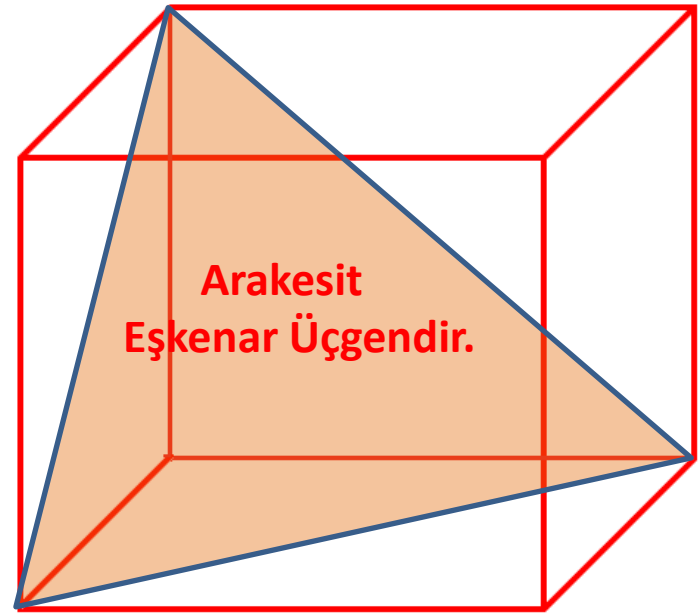
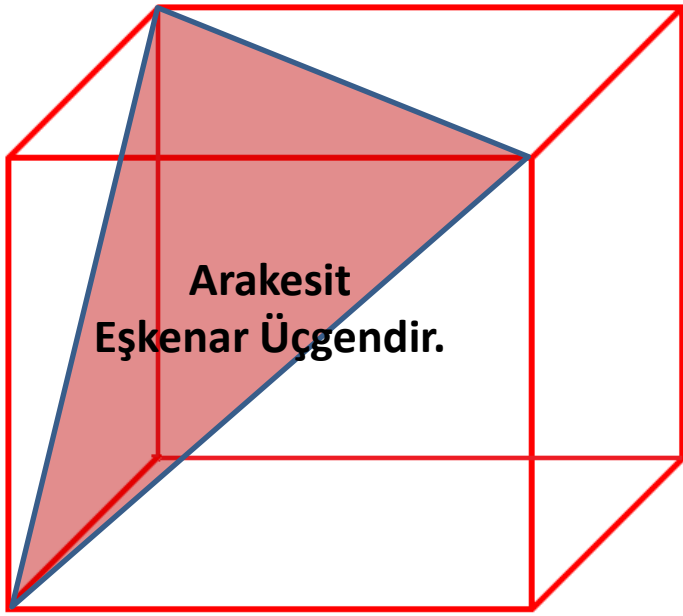
Küp 6 yüzlü olduğu için Küp bir düzlemle kesildiğinde oluşan çokgen en fazla Altıgen olur.

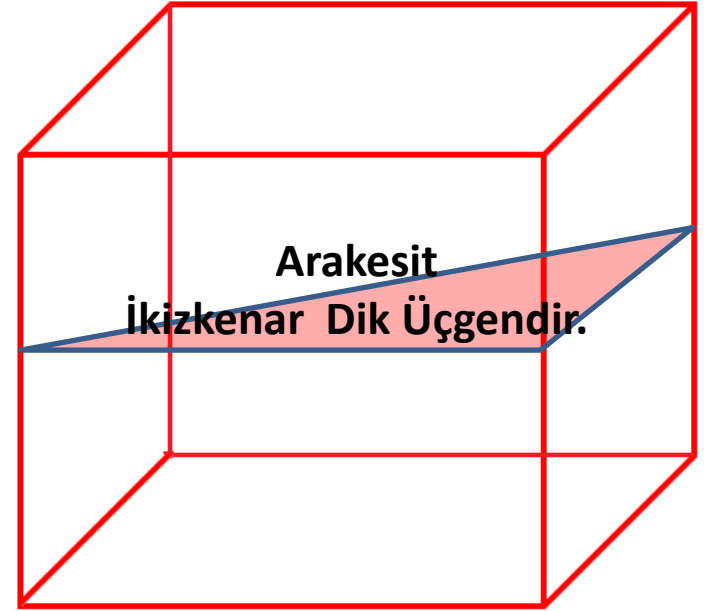
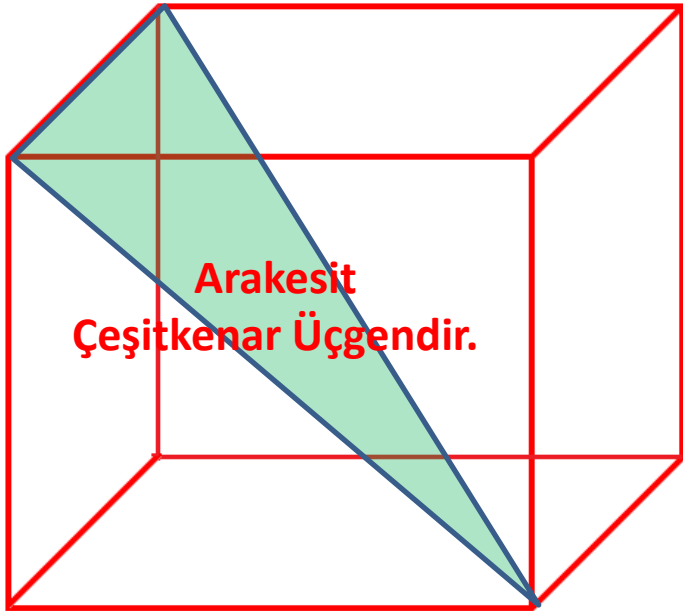
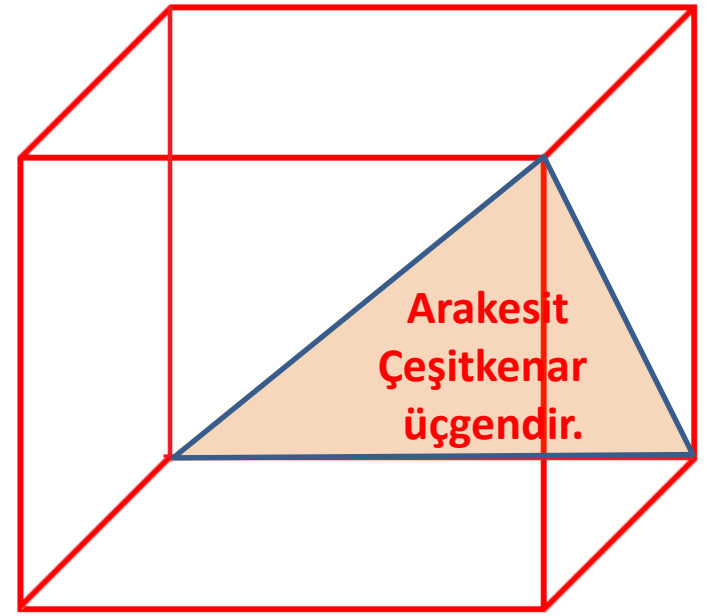
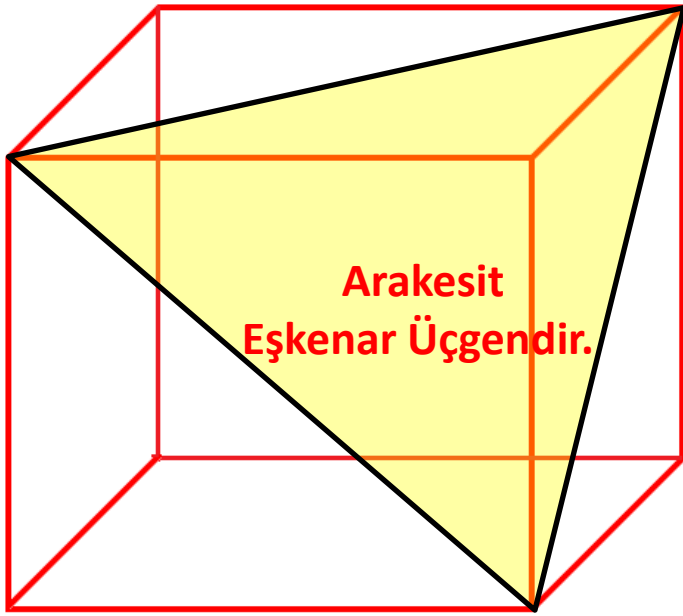


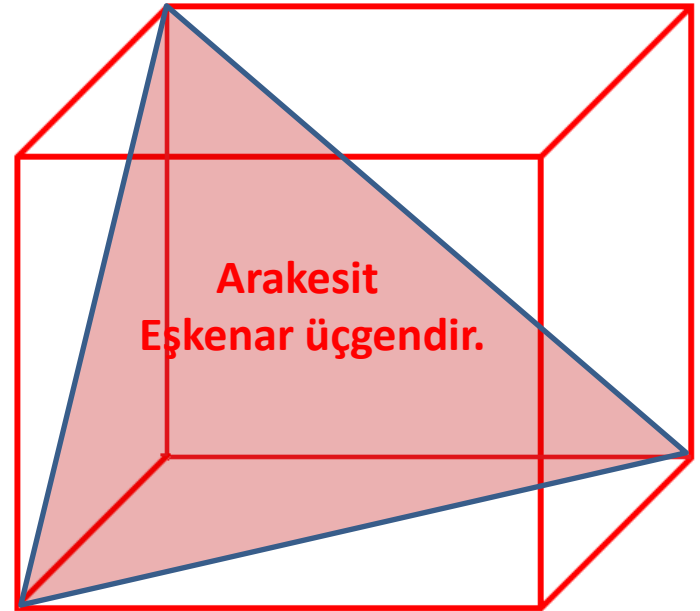
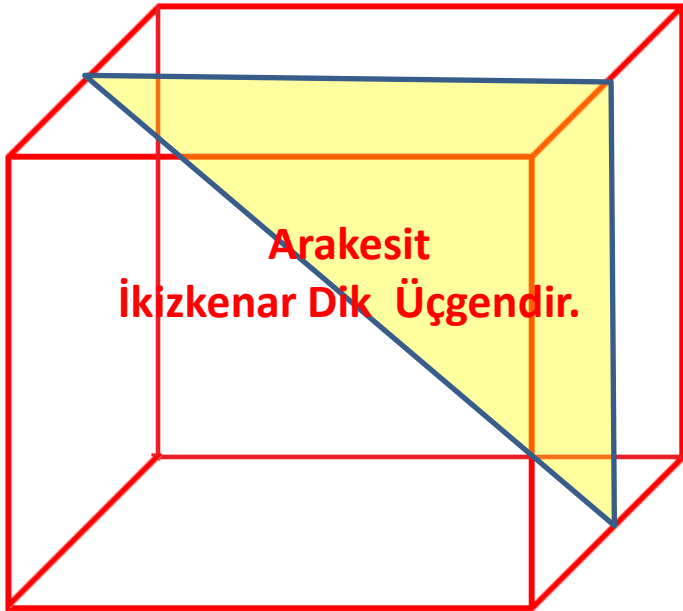
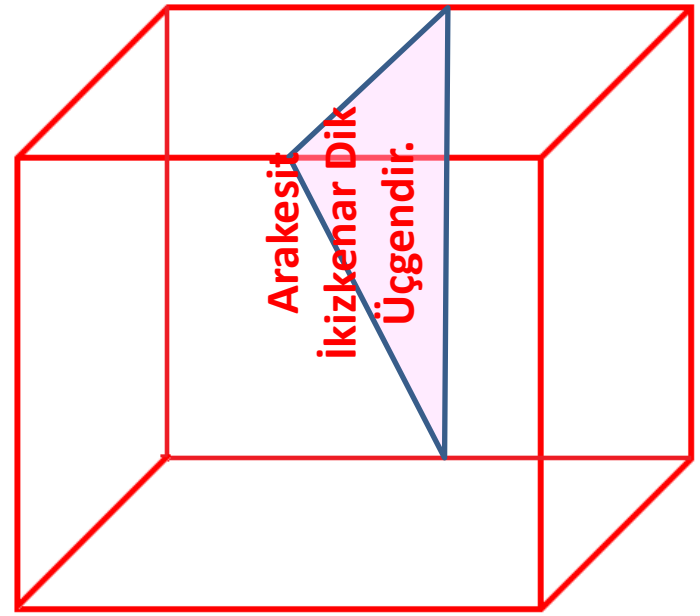
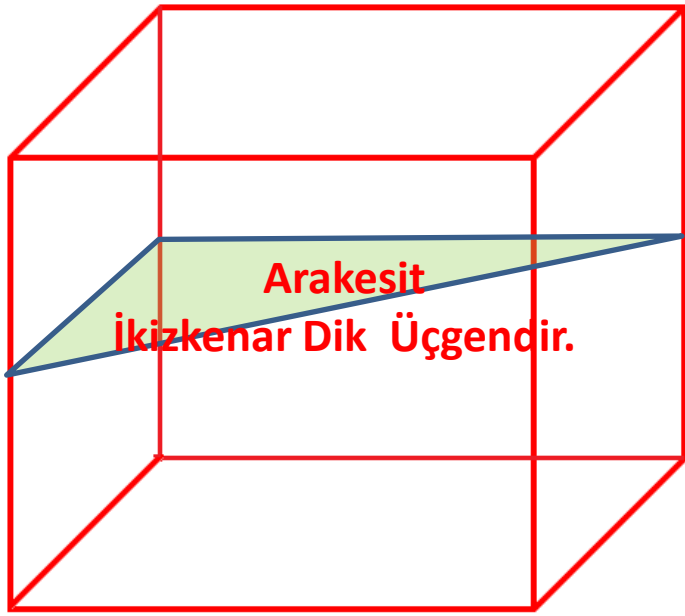


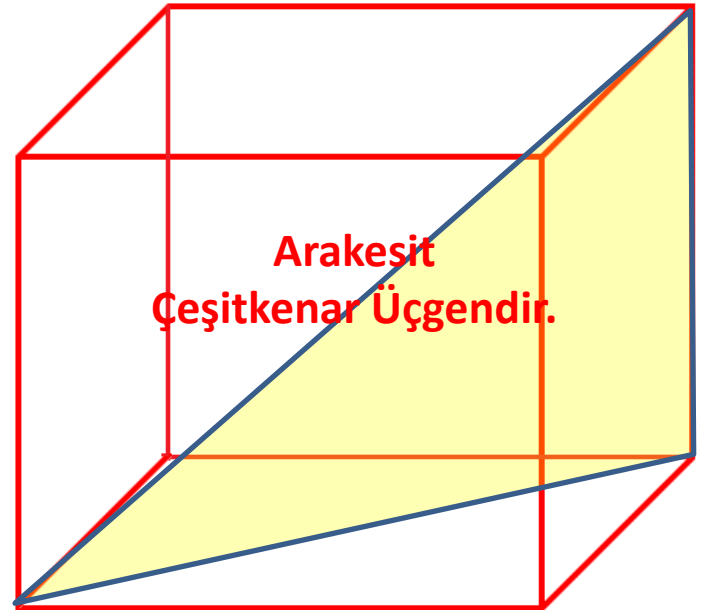
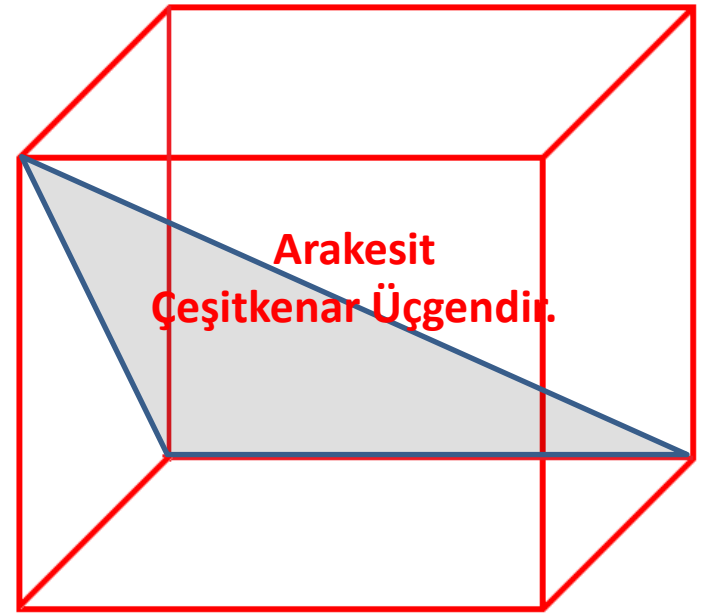
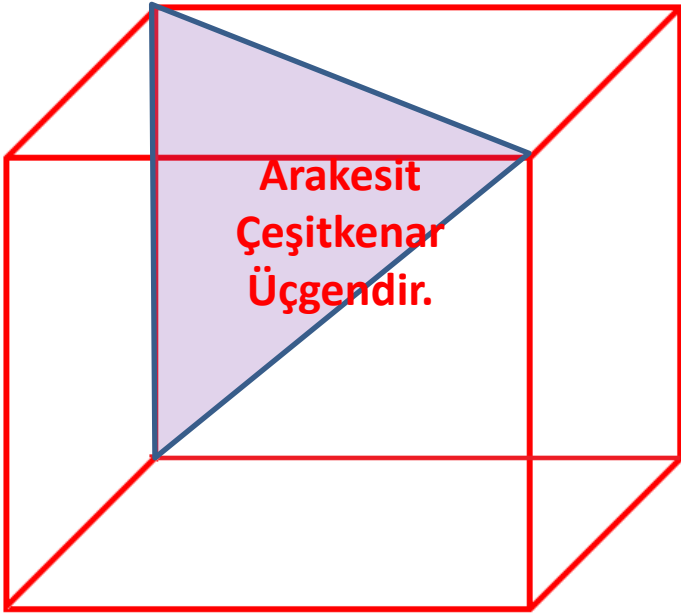












HAZIRLAYAN

ÖMER ASKERDEN

PİRİ MEHMET PAŞA ORTAOKULU

UZMAN İLKÖĞRETİM MATEMATİK ÖĞRETMENİ

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