

ARAKESİTLER

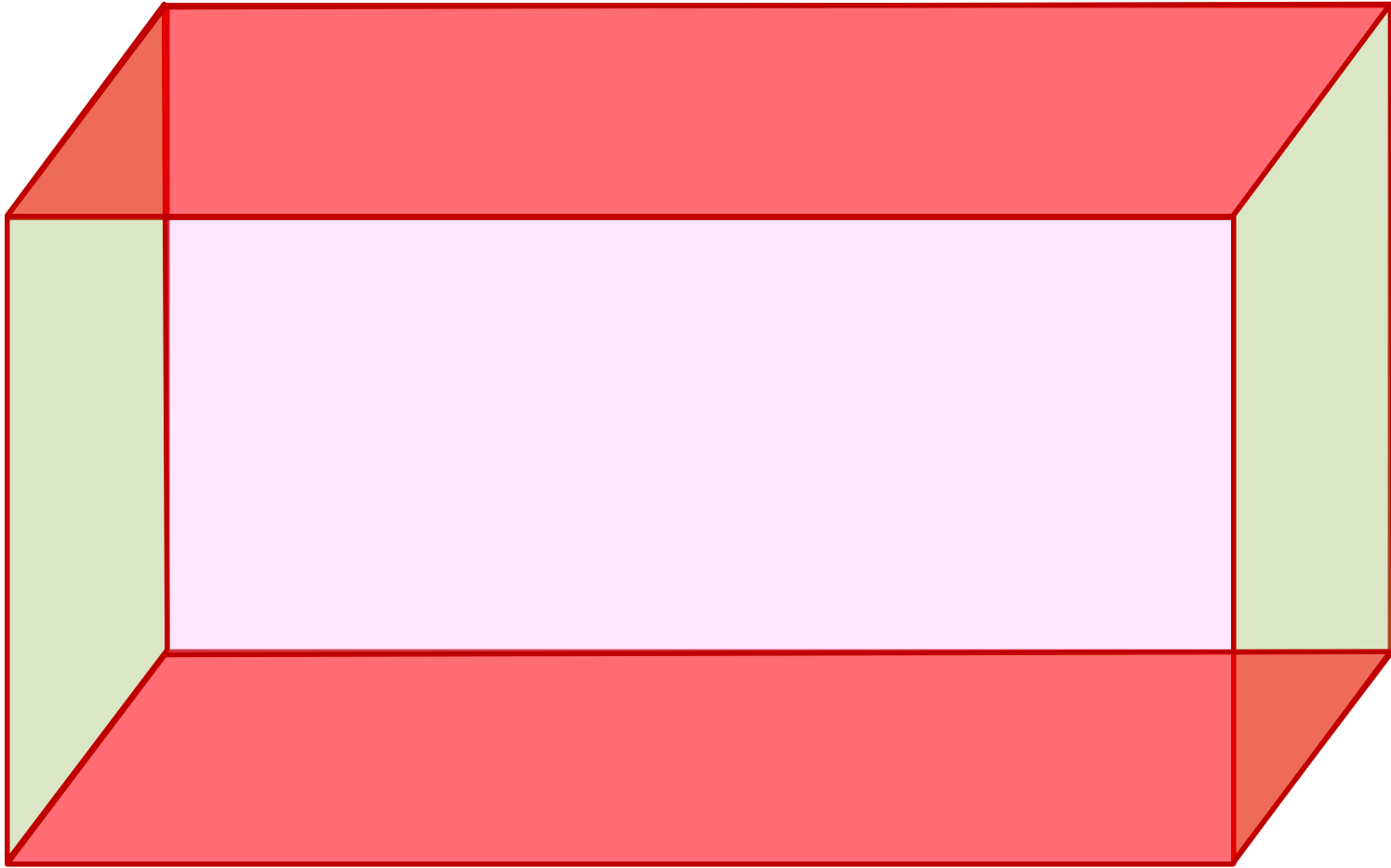
DİKDÖRTGENLER PRİZMASI

ÖMER ASKERDEN

PİRİ MEHMET PAŞA ORTAOKULU

UZMAN İLKÖĞRETİM MATEMATİK ÖĞRETMENİ

omeraskerden@hotmail.com.tr



ARAKESİTLER:

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

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 6 gen oluşur.

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

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

Dikdörtgenler prizması 6 yüzlü olduğu için Dikdörtgenler prizması bir düzlemle kesildiğinde oluşan çokgen en fazla altıgen (6 gen) oluşur.

Arakesit
düzlemi



2)DİKDÖRTGENLER PRİZMANIN BİR DÜZLEM İLE ARAKESİTLERİ:

Bir geometrik cisim (Dikdörtgenler prizmasını) bir düzlemle kestiğimizde düzlem ile cismin (Dikdörtgenler prizmasının) ortak yüzeyine **ARAKESİT** denir. Bir Dikdörtgenler prizmasının bir düzlemle oluşturduğu arakesitler.

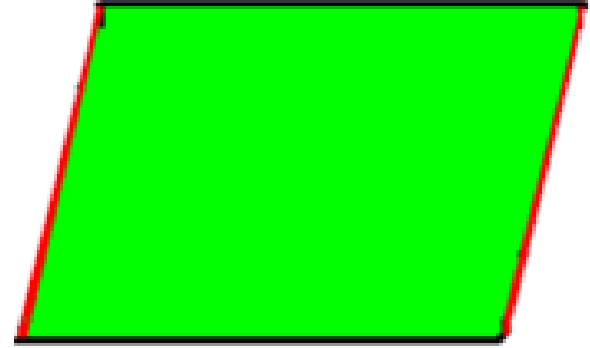
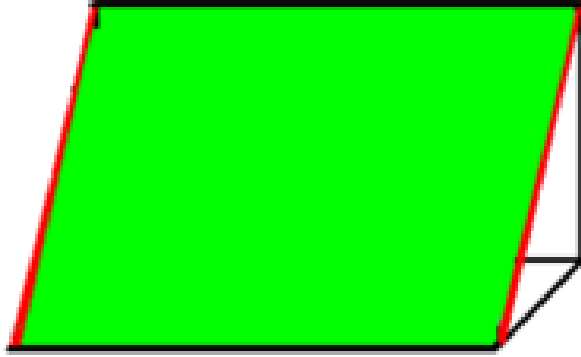


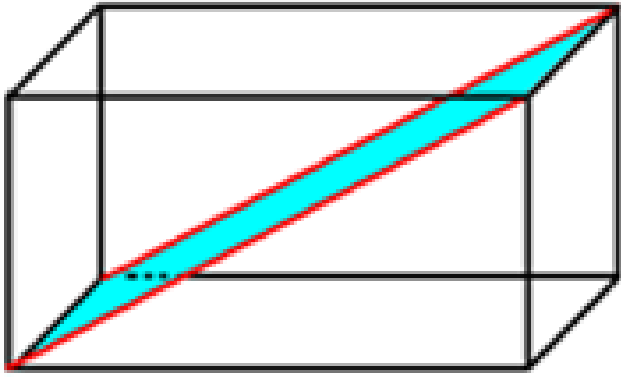
Ara kesit düzlemi bir dikdörtgendir.



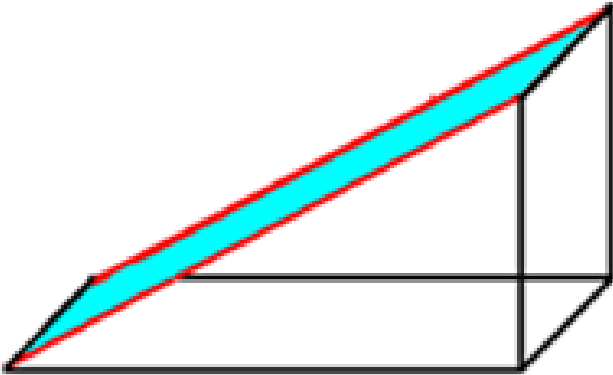
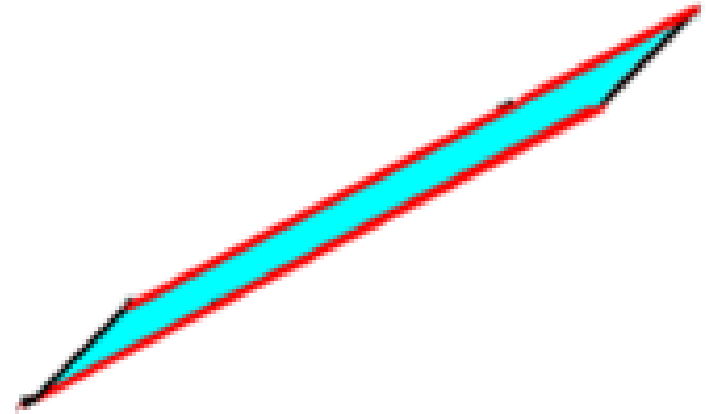
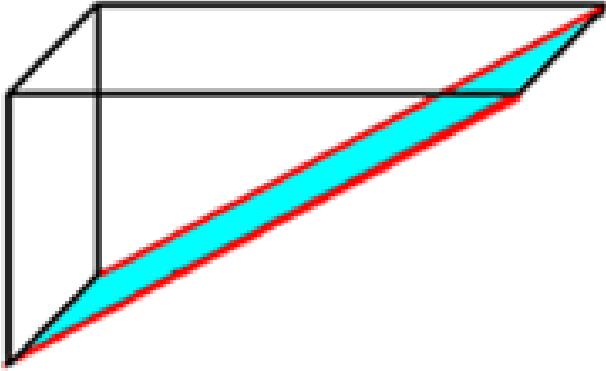


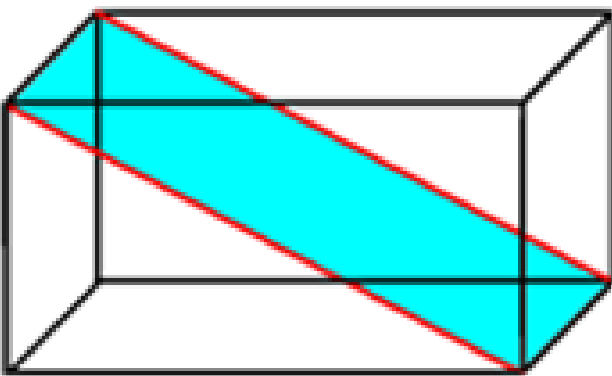
Ara kesit düzlemi bir dikdörtgendir.



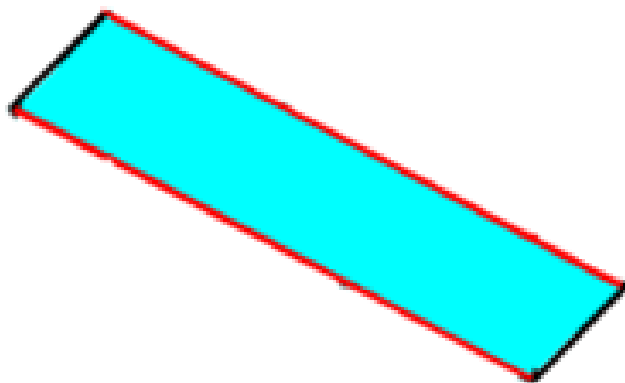
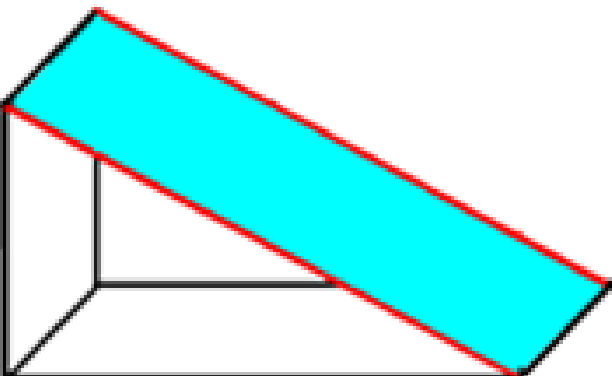
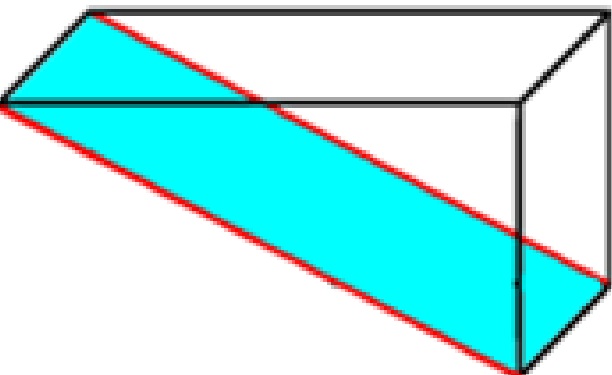


Ara kesit düzlemi bir dikdörtgendir.

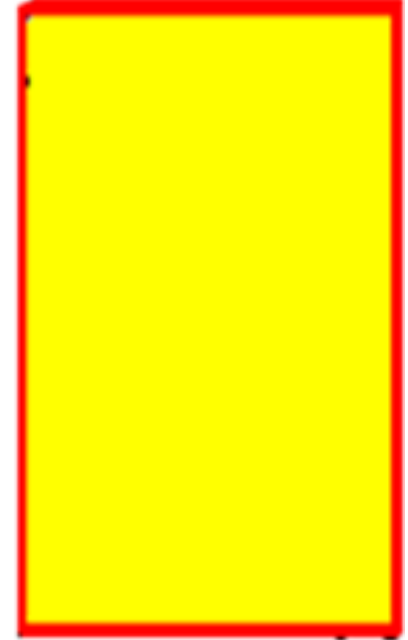
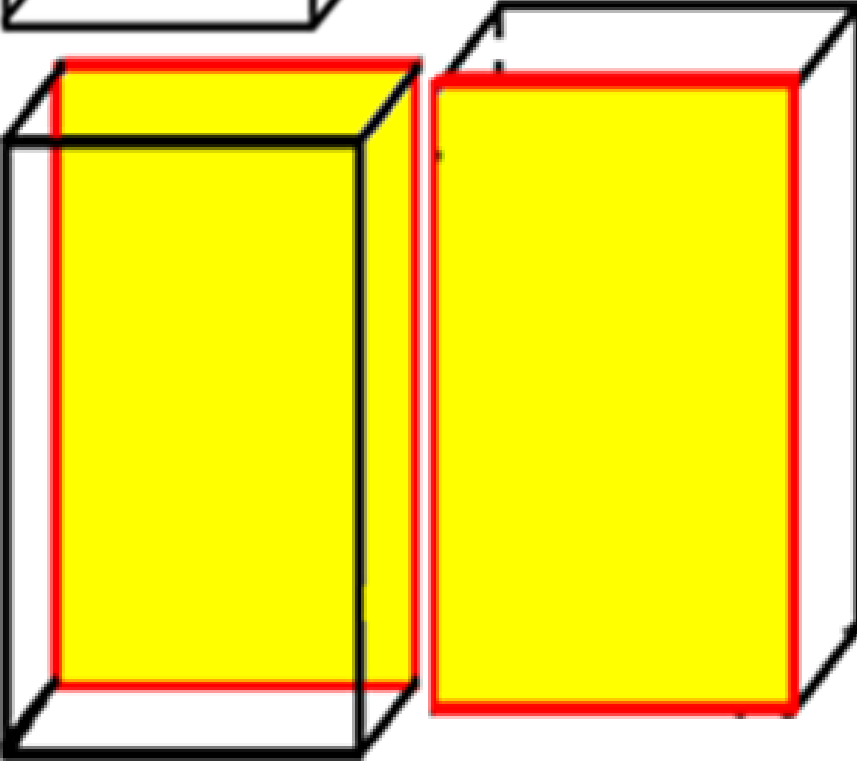
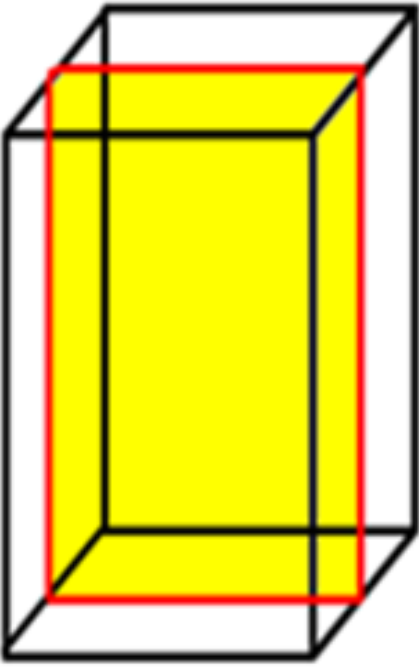


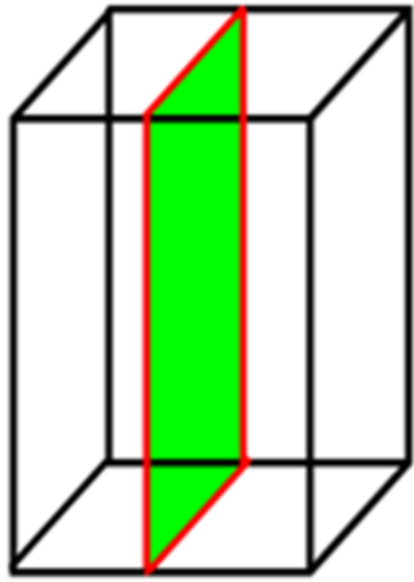


Ara kesit düzlemi bir dikdörtgendir.

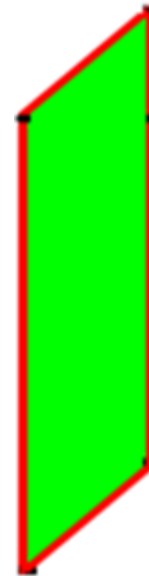
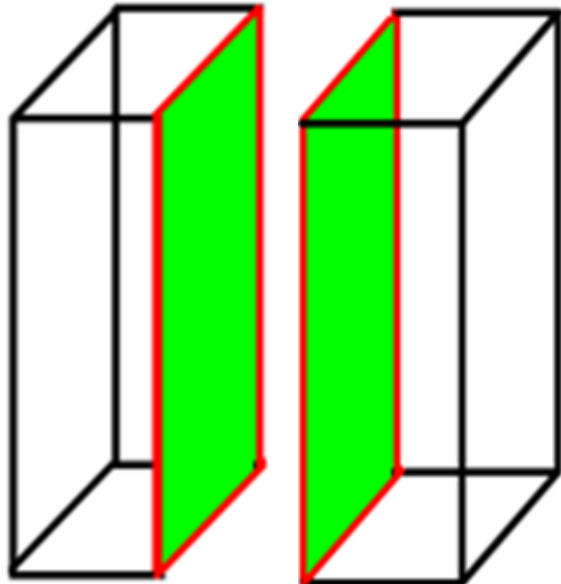


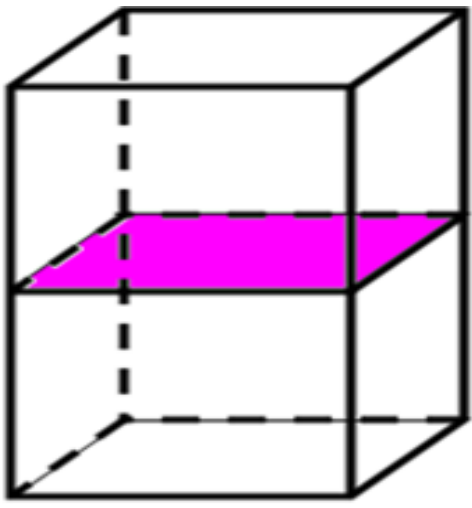
Ara kesit düzlemi bir dikdörtgendir.



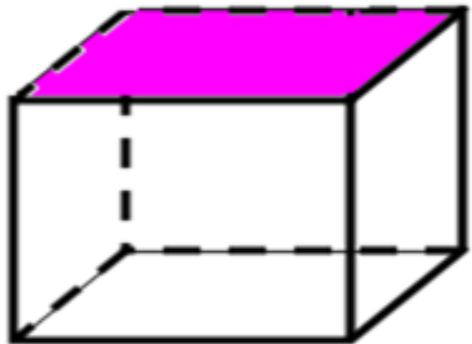
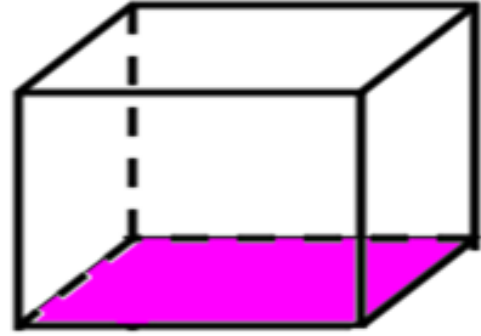


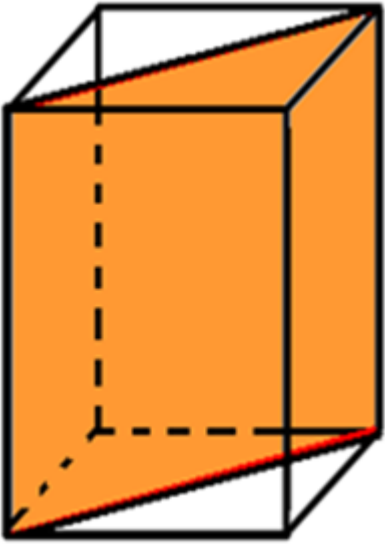
Ara kesit düzlemi bir dikdörtgendir.



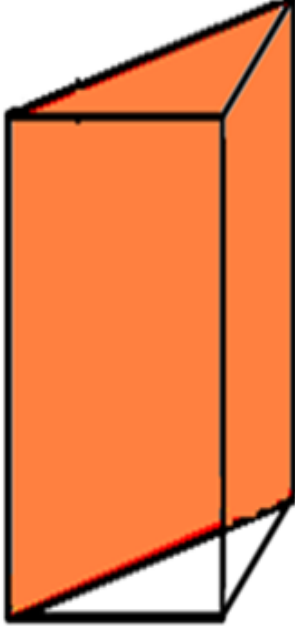


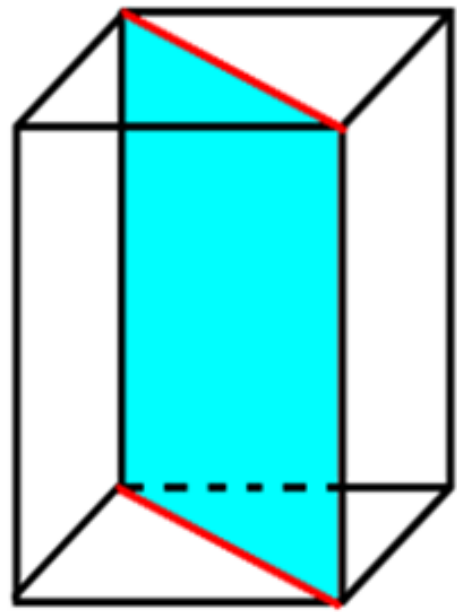
Ara kesit düzlemi bir dikdörtgendir.



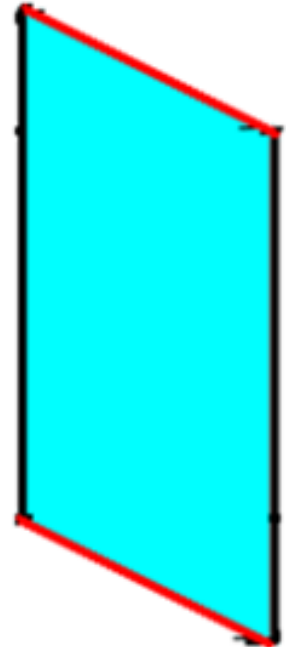
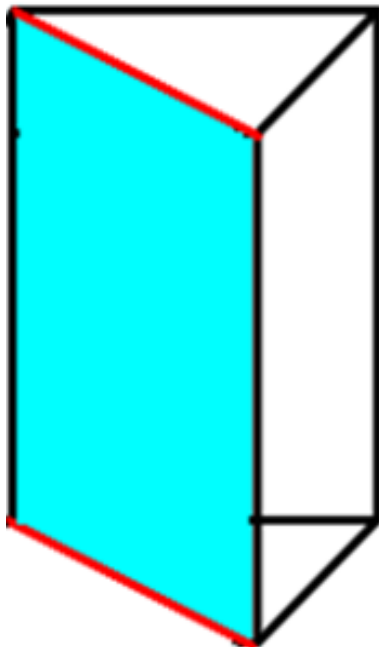
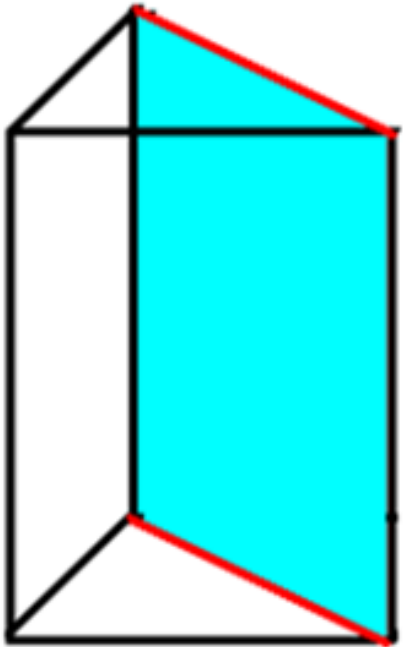


Ara kesit düzlemi bir dikdörtgendir.

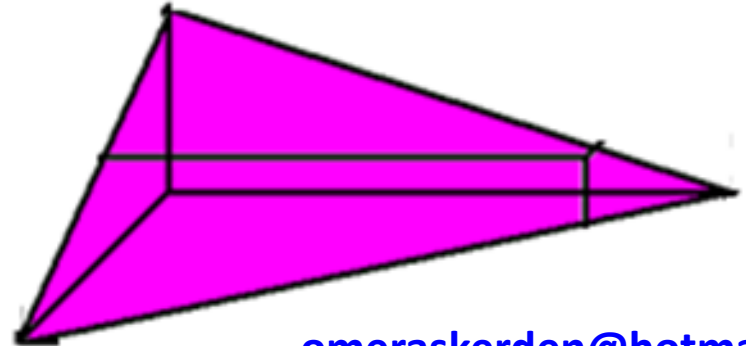
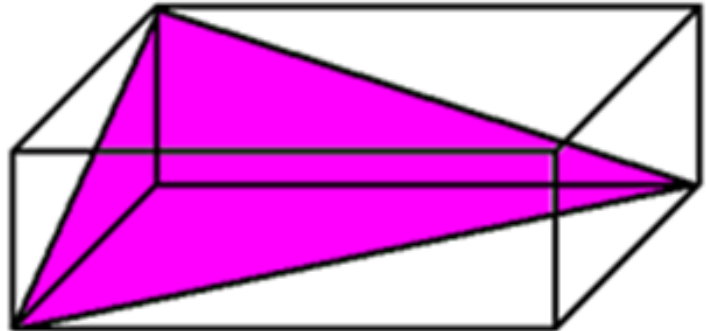
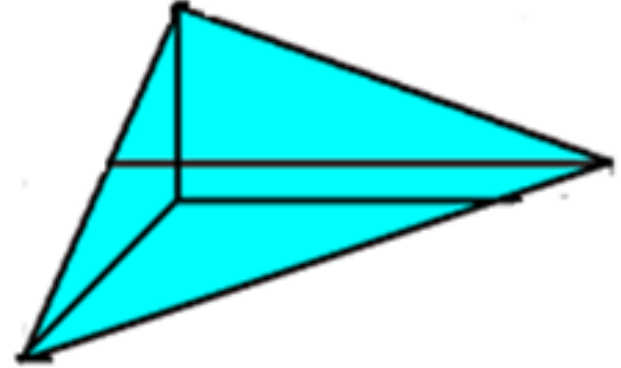
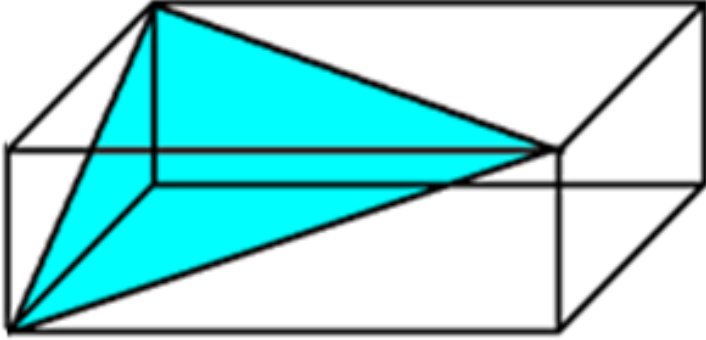
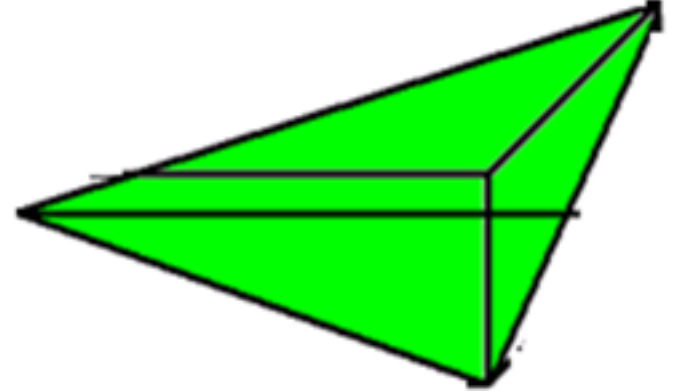
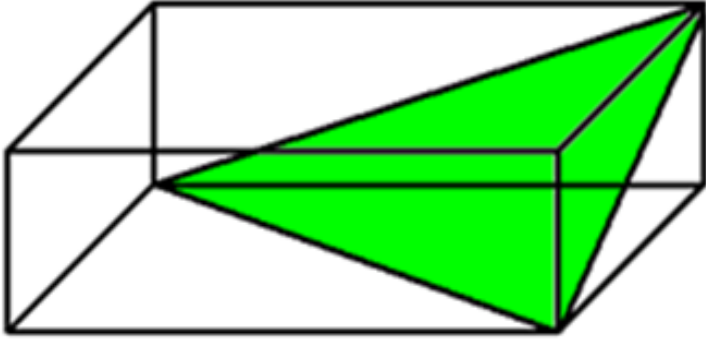


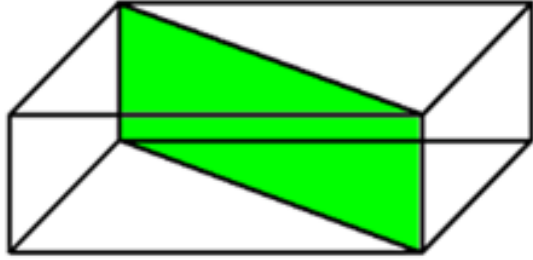


Ara kesit düzlemi bir dikdörtgendir.

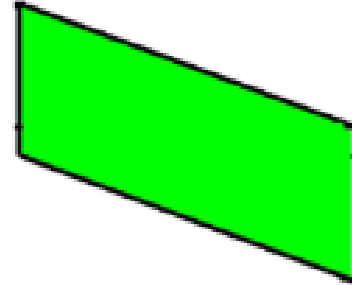
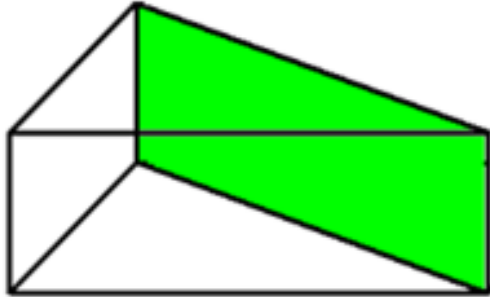
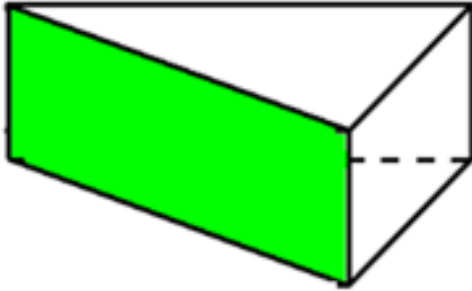


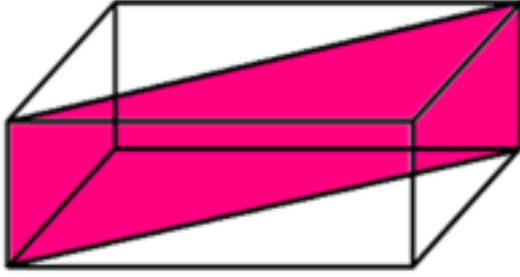
Ara kesit düzlemi bir çeşitkenar üçgendir.



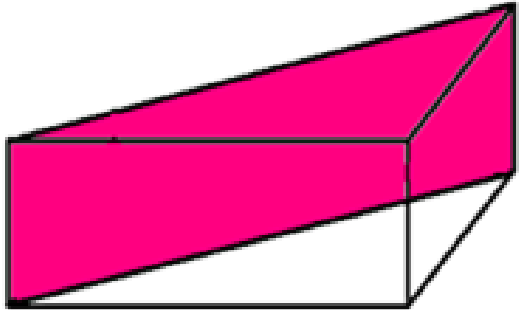
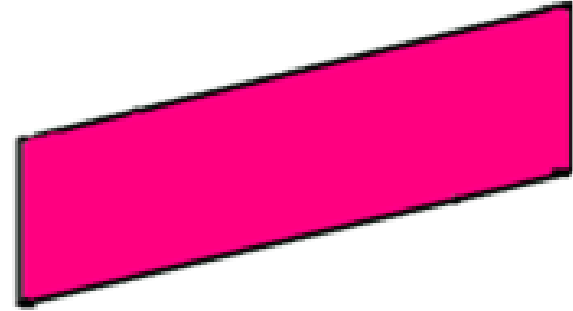
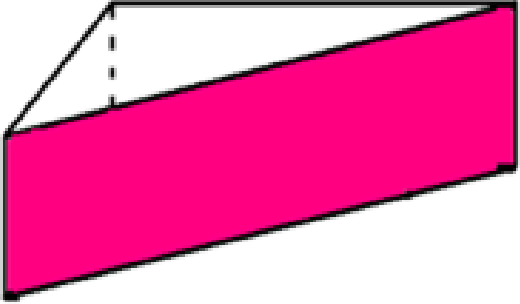


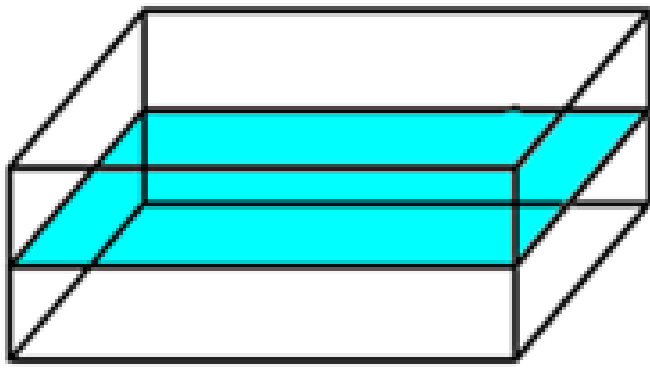
Ara kesit düzlemi bir dikdörtgendir.



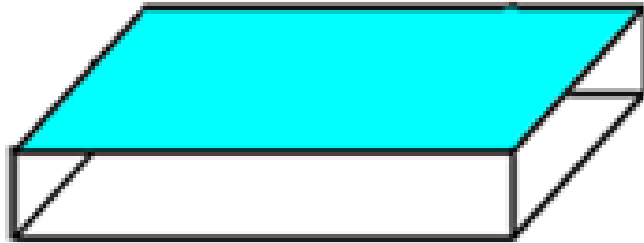
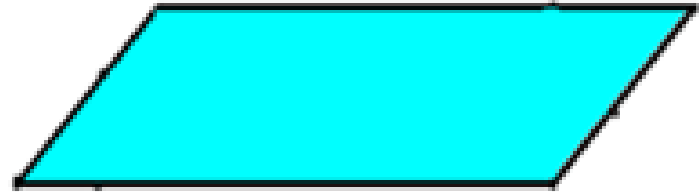


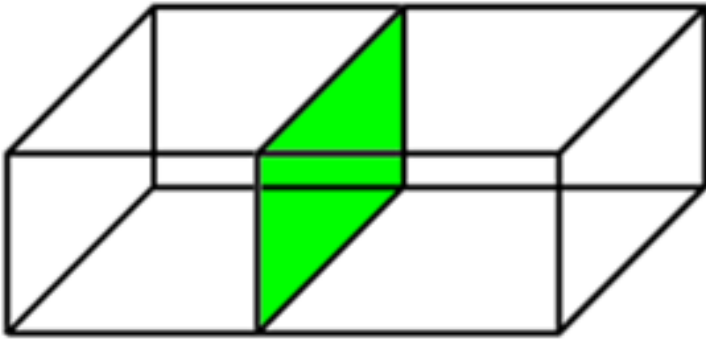
Ara kesit düzlemi bir dikdörtgendir.



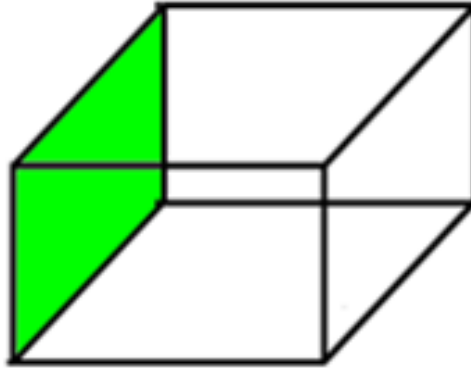
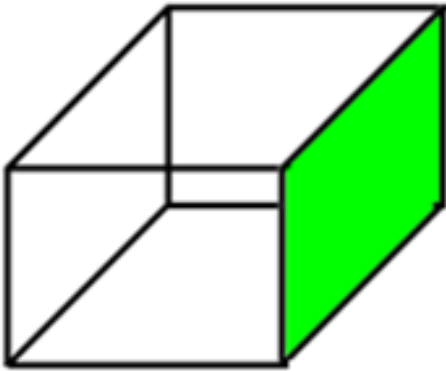


Ara kesit düzlemi bir dikdörtgendir.



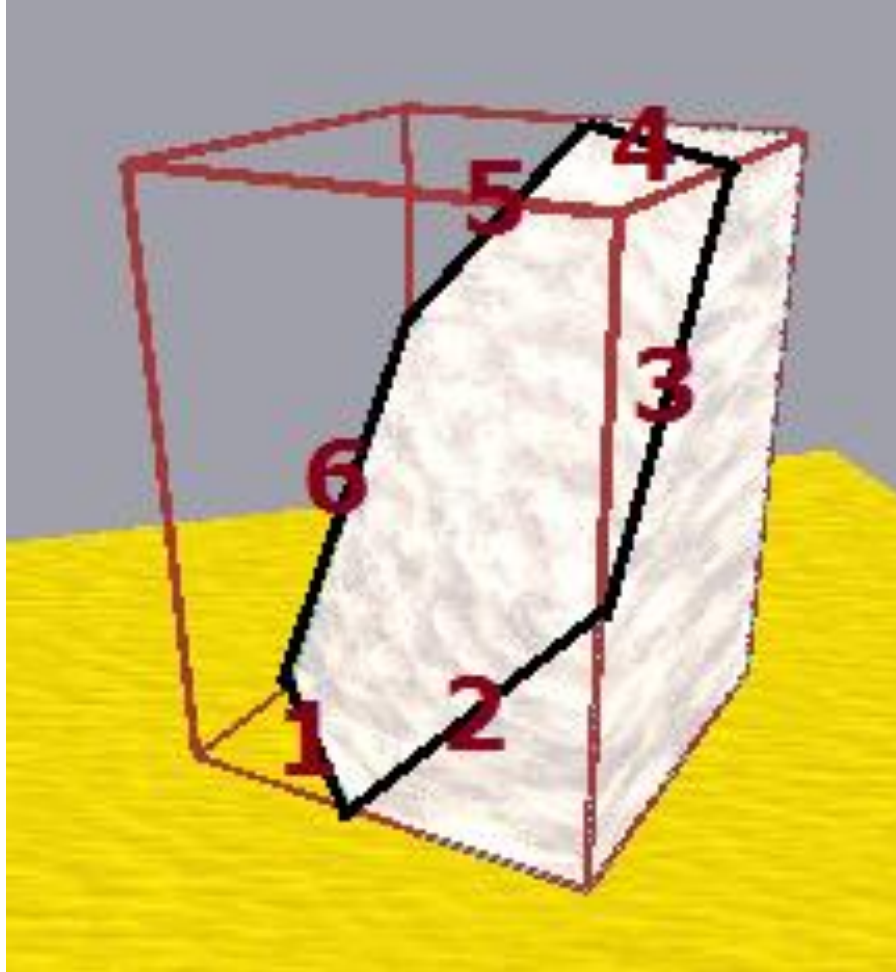


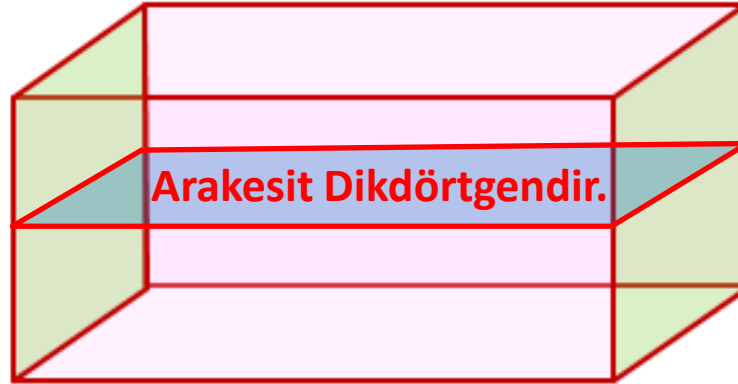
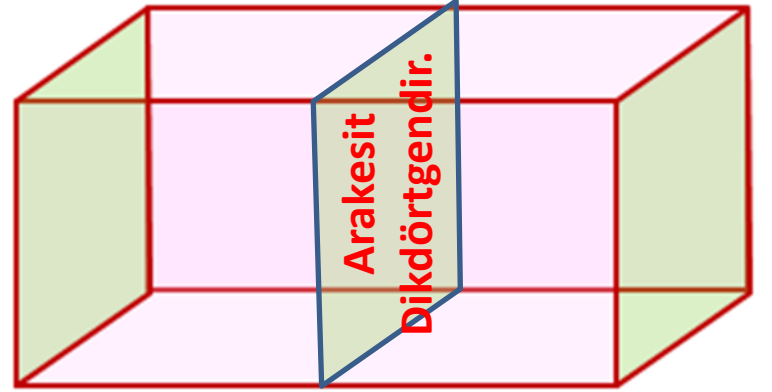
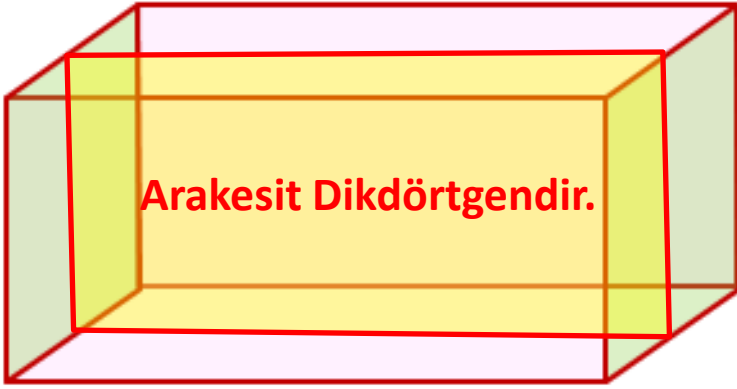
Ara kesit düzlemi bir dikdörtgendir.

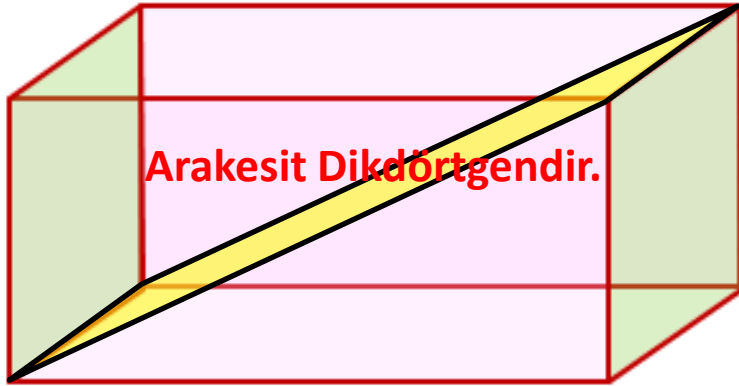


AÇIKLAMA: Bir çok yüzlü bir düzlemle kesildiğinde oluşan arakesit yüzeyinin köşe sayısı en fazla çok yüzlünün yüz sayısı kadardır.

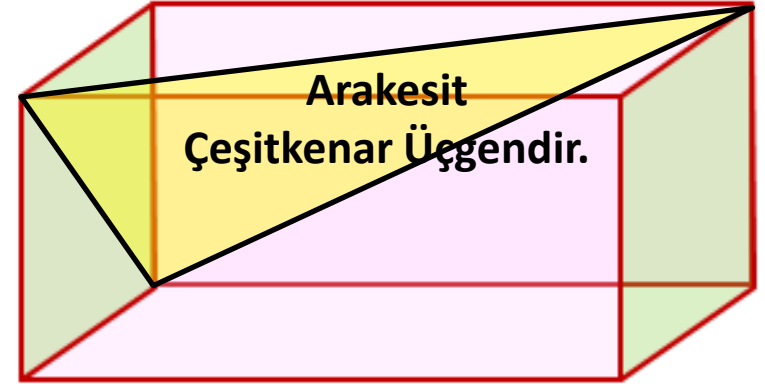
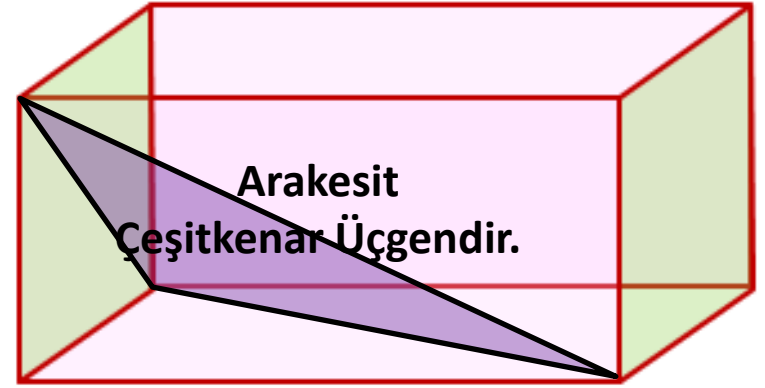
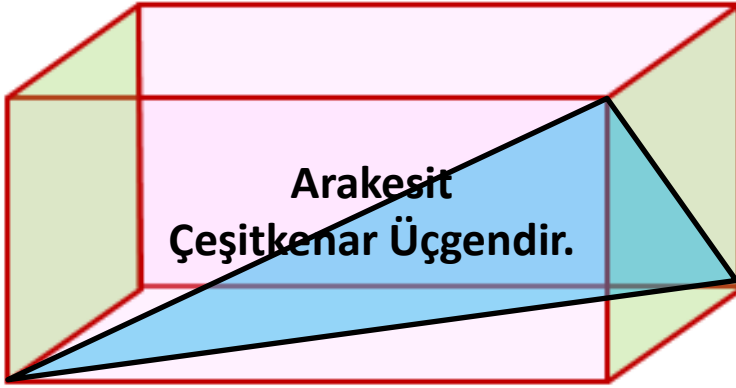
Dikdörtgenler prizmasının 6 yüzü olduğu için Dikdörtgenler prizması bir düzlemle kesildiğinde oluşan çokgen en fazla 6 gen olur.











HAZIRLAYAN

ÖMER ASKERDEN

PİRİ MEHMET PAŞA ORTAOKULU

UZMAN İLKÖĞRETİM MATEMATİK ÖĞRETMENİ

omeraskerden@hotmail.com.tr