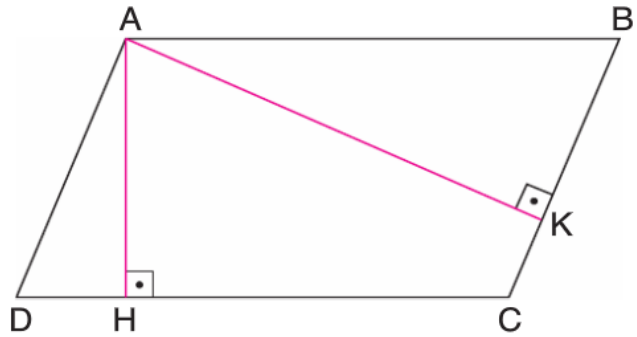
MATEMATİK

PARALELKENARIN ALANINI HESAPLAMA

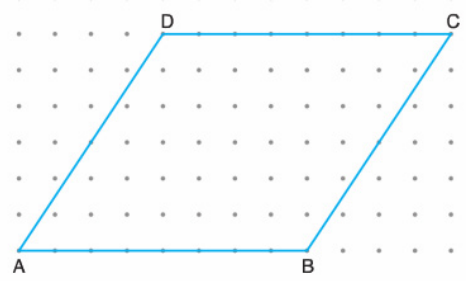
Paralelkenarda Yükseklikler:

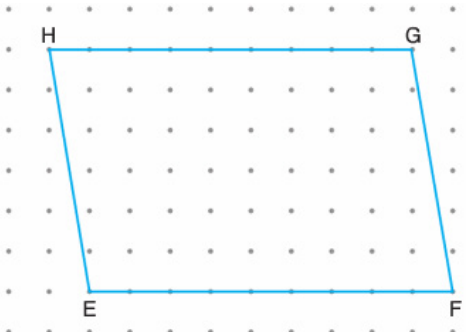


ABCD paralelkenar olmak üzere;
[AH] : DC kenarına ait yükseklik
[AK] : BC kenarına ait yükseklik

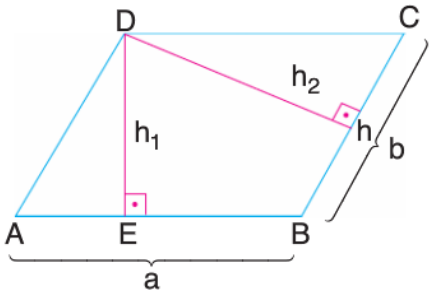
SORU:

Aşağıda noktalı kağıt üzerinde verilen paralelkenarların yüksekliklerini çiziniz.



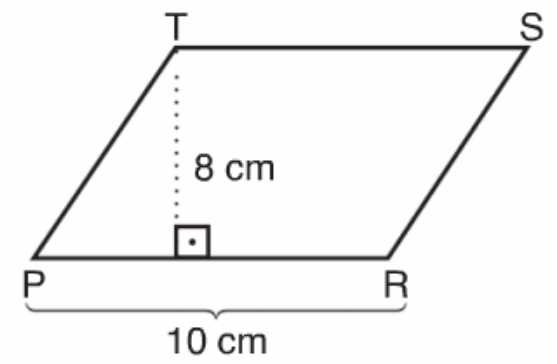


Paralelkenarda Alan Hesabı:



$A(ABCD) = |AB| \cdot |DE| = |CB| \cdot |DH|$
$A(ABCD) = a \cdot h_1 = b \cdot h_2$

ÖRNEK:



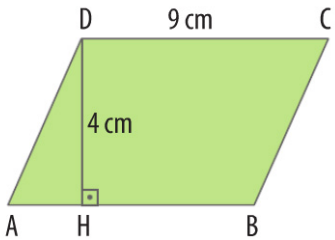
Yukarıdaki paralelkenarın alanını bulalım.

ÇÖZÜM:

ALAN = 10 . 8 = 80 cm^2 bulunur.

SORU:

Aşağıdaki paralelkenarların alanlarını bulunuz.



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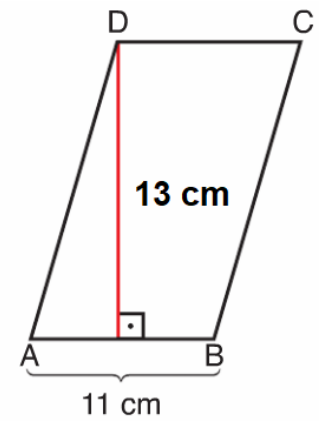
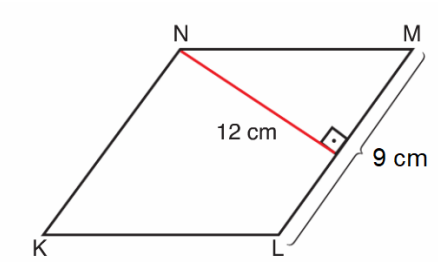
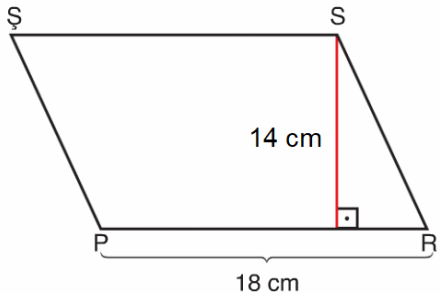
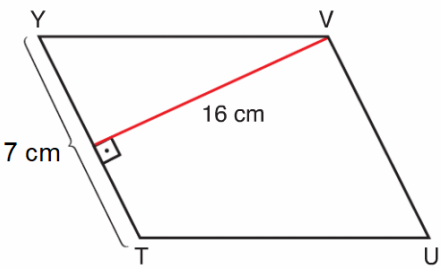
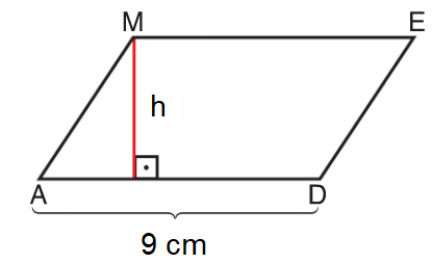








ÖRNEK:



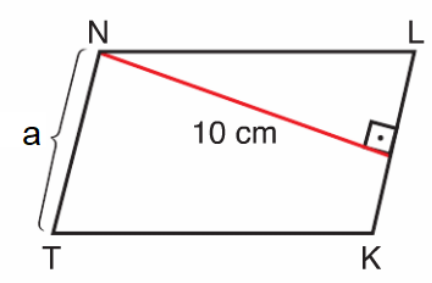
Şekildeki paralelkenarın alanı 54 cm² ise h = ?

ÇÖZÜM:

9 . h = 54 olduğuna göre;

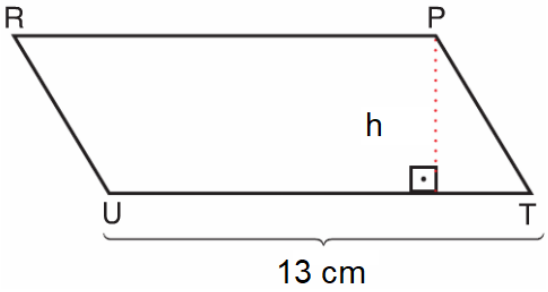
h = 54 : 9 = 6 cm bulunur.

SORU:



Şekildeki paralelkenarın alanı 70 cm² ise a = ?

SORU:



Şekildeki paralelkenarın alanı 91 cm² ise h = ?

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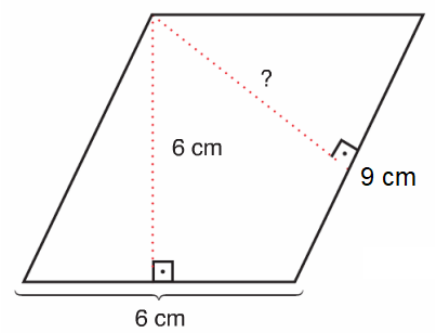
ÖRNEK:

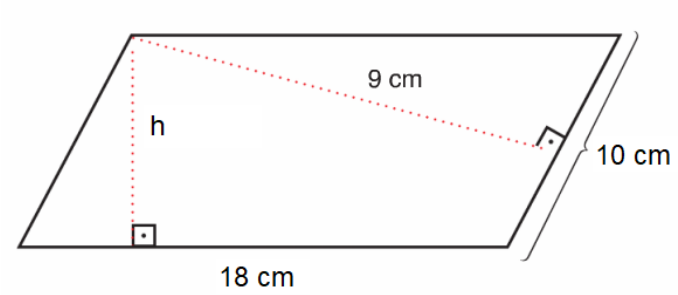


Şekildeki paralelkenarda verilmeyen uzunluğu bulalım.

ÇÖZÜM:

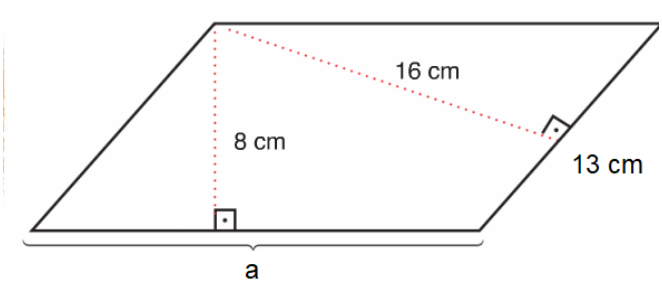
- Paralelkenarın alanı = 6 . 6 = 36 cm^2 olur.
- Paralelkenarın alanı = 9 . h
- Aynı paralelkenar olduğu için alanlar eşit olur.
- 9. h = 36
- h = 36 : 9 = 4 cm olarak bulunur.

SORU:



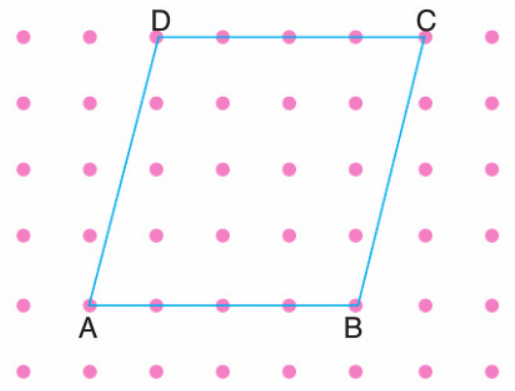
Yukarıdaki paralelkenarda h kaç cm' dir?

SORU:



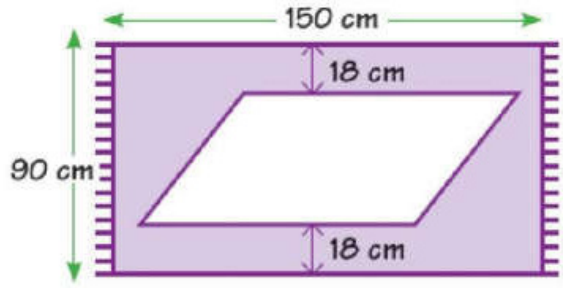
Yukarıdaki paralelkenarda a kaç cm' dir?

SORU:



Noktalı kağıt üzerinde çizilen paralelkenarın alannını bulunuz.

SORU:



Şekildeki boyalı bölgenin alanını bulunuz.

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