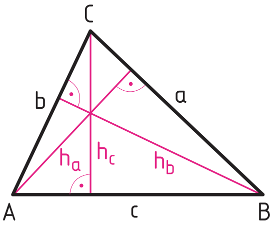

C
b
a
$h_a$
$h_c$
$h_b$
A
c
B

Quadrat

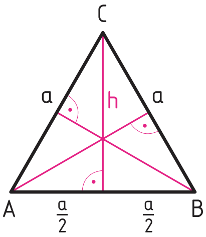
---

$m = \frac{a + c}{2}$

$A = a \cdot b$

---

… in Teildreiecke zerlegen


C
a
h
a
A
$\frac{a}{2}$
$\frac{a}{2}$
B

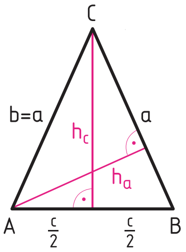
---

$A = \frac{(a + c)}{2} \cdot h$

$A = a \cdot h$
$A = \frac{e \cdot f}{2}$

---

Rechteck


C
b=a
a
$h_c$
$h_a$
A
$\frac{c}{2}$
$\frac{c}{2}$
B

---

$u = a \cdot 4$

$A = \frac{a \cdot h_a}{2}$
$A = \frac{b \cdot h_b}{2}$
$A = \frac{c \cdot h_c}{2}$

---

$c^2 = a^2 + b^2$

$d = \sqrt{a^2 + b^2}$

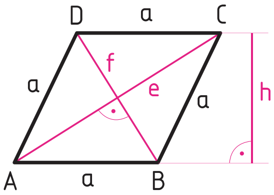
---

Gleichseitiges
Dreieck
a = b = c

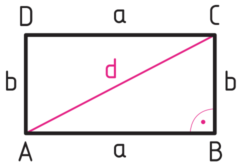
Raute
(Rhombus)

---

$u = a \cdot 3$


D
a
C
f
e
a
a
h
A
a
B

---



$h = \frac{a}{2} \cdot \sqrt{3}$

---

Allgemeines
Parallelogramm
(Rhomboid)

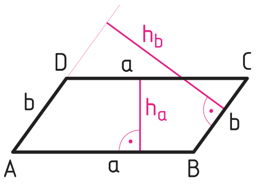
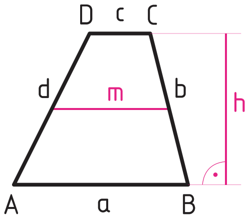
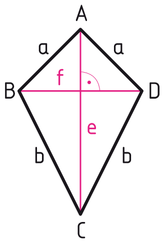
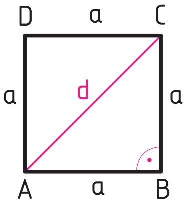
$A = m \cdot h$

---

$A = \frac{a \cdot h}{2}$

$A = \frac{a^2}{4} \cdot \sqrt{3}$

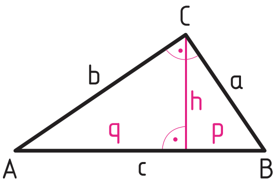
$u = a \cdot 2 + b \cdot 2$
$u = (a + b) \cdot 2$

| | | | |
|---|---|---|---|
| Trapez | $u = (a + b) \cdot 2$<br>$u = a \cdot 2 + b \cdot 2$ | $u = a + b + c$ | $A = a \cdot h_a$<br>$A = b \cdot h_b$ |
| Gleichschenkliges Dreieck<br>$a = b$ | $u = a \cdot 4$ | $u = a + b + c + d$ | $A = \frac{a \cdot h_a}{2}$<br>$A = \frac{c \cdot h_c}{2}$ |
|  h_b<br>D<br>a<br>C<br>b<br>h_a<br>b<br>A<br>a<br>B | $a^2 = h_c{}^2 + (\frac{c}{2})^2$ |  D<br>c<br>C<br>d<br>m<br>b<br>h<br>A<br>a<br>B | $u = a \cdot 2 + c$ |
| $a^2 = (\frac{e}{2})^2 + (\frac{f}{2})^2$ | Rechtwinkliges Dreieck<br>$\gamma = 90°$ | $u = a + b \cdot 2 + c$ |  A<br>a<br>a<br>B<br>f<br>D<br>e<br>b<br>b<br>C |
| Gleichschenkliges Trapez<br>$b = d$ | Vierecke mit aufeinander normal stehenden Diagonalen | $u = a + b + c$ |  |
| Unregelmäßige Vierecke | $A = a^2$ | $d = a \cdot \sqrt{2}$ | $A = \frac{a \cdot b}{2}$<br>$A = \frac{c \cdot h}{2}$ |

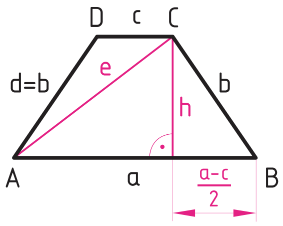
$h^2 = b^2 - (\frac{a-c}{2})^2$

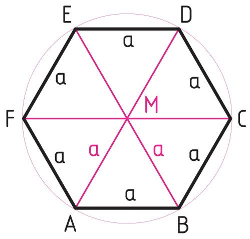
Regelmäßiges Sechseck

Deltoid (Drachenviereck)



$A = \frac{e \cdot f}{2}$


D
c
C
d=b
e
b
h
A
a
$\frac{a-c}{2}$
B

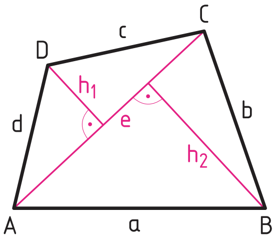

E
D
a
a
a
F
M
C
a
a
a
a
a
A
B

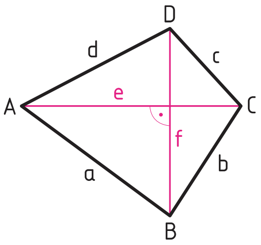
$A = \frac{e \cdot f}{2}$

$u = a + b + c + d$

$A = 6 \cdot \frac{a^2}{4} \cdot \sqrt{3}$

$u = a \cdot 2 + b \cdot 2$
$u = (a + b) \cdot 2$


C
c
D
$h_1$
d
e
b
$h_2$
A
a
B


D
d
c
A
e
C
f
b
a
B

$u = a + b + c + d$

$u = a \cdot 6$

$A = \frac{l \cdot h_1}{2} + \frac{l \cdot h_2}{2}$