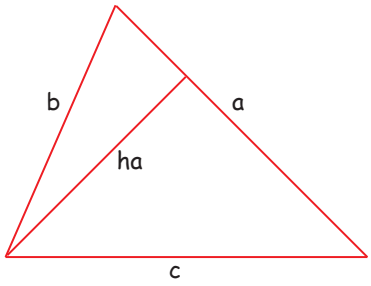
FORMULES MATHÉMATIQUES

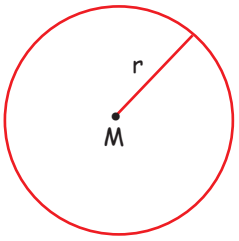
Figures Géométriques

1. Triangles



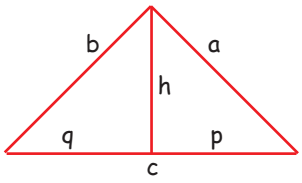
$A = (a \times ha) : 2$
$= (b \times hb) : 2$
$= (c \times hc) : 2$

2. Cercle



$A = r^2 \times \pi$

1.1 Triangle Rectangle

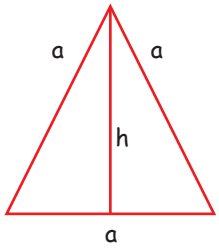


$a^2 + b^2 = c^2$ Théorème de Pythagore

$A = (a \times b) : 2$ $h^2 = p \times q$ Théorème de la Hauteur

$a^2 = p \times c,\ b^2 = q \times c$ Théorème d'Euclide

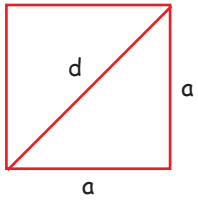
1.2 Triangle Equilatéral



$A = (a^2 \times \sqrt{3}) : 4$ $h = (a : 2) \times \sqrt{3}$

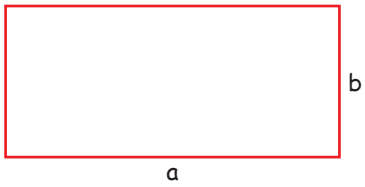
3. Quadrilateres

3. 1 Carré



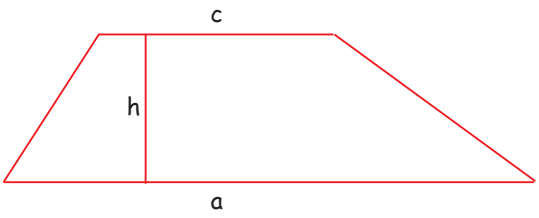
$A = a^2$ $d = a \times \sqrt{2}$

3. 2 Rectangle



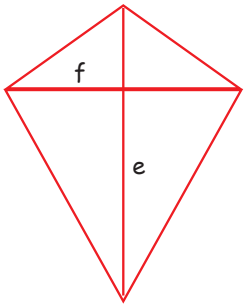
$A = a \times b$

3. 3 Trapèze



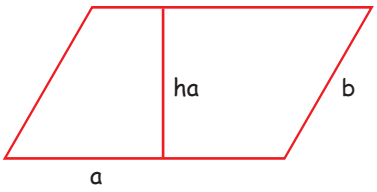
$A = ((a + c) \times h) : 2$

3. 4 Cerf-volant (géométrie)



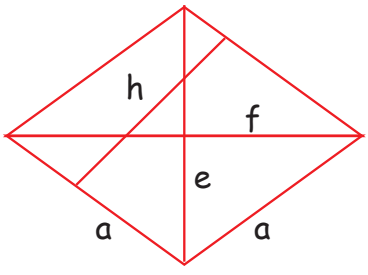
$A = (e \times f) : 2$

3. 5 Parallélogramme



$A = a \times ha = b \times hb$

3. 6 Losange



$A = a \times h = (e \times f) : 2$