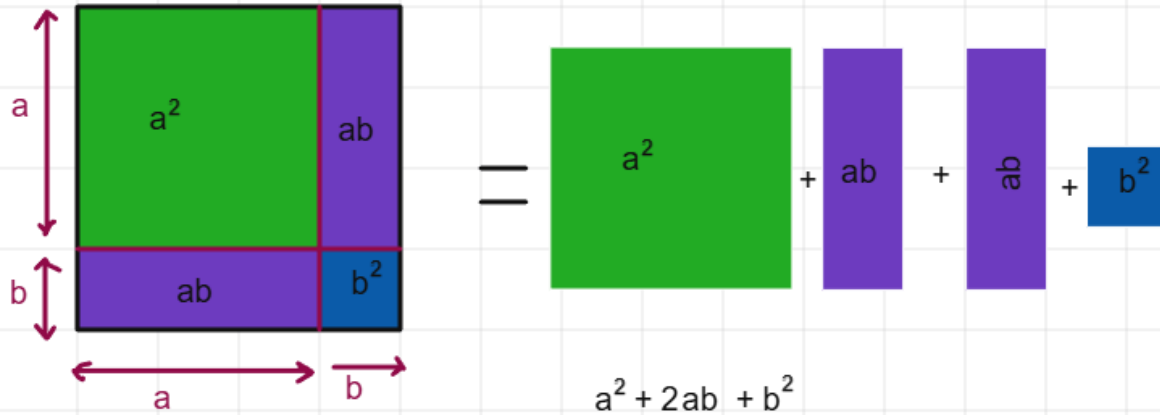


Algebra

Visual Proof of $(a + b)^2$



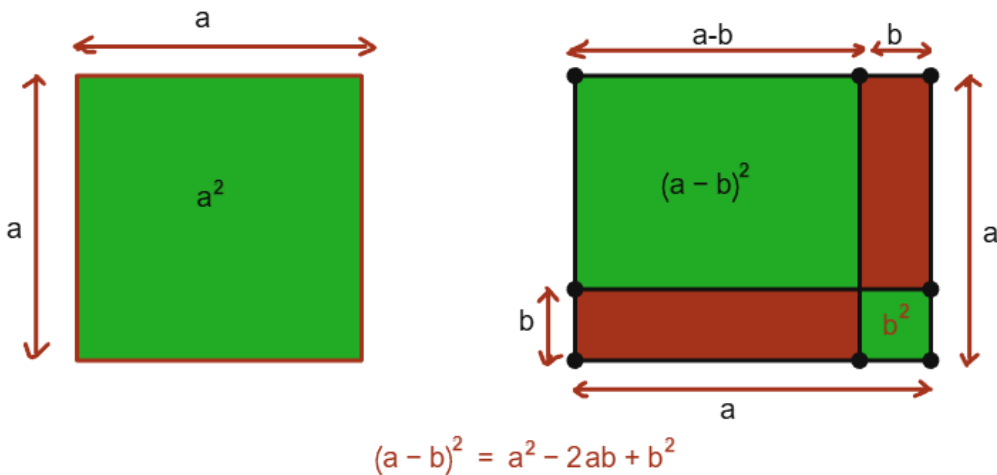
$$(a + b)^2 = (a + b)(a + b)$$

$$= a(a + b) + b(a + b)$$

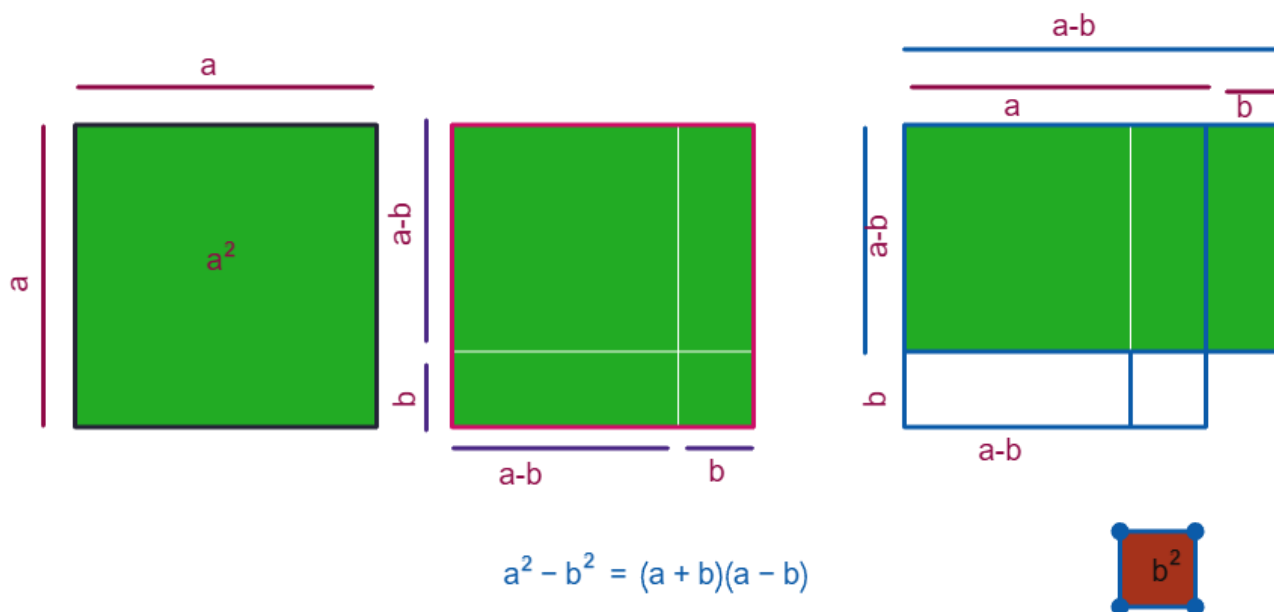
$$= a^2 + ab + ab + b^2$$

$$\therefore (a + b)^2 = a^2 + 2ab + b^2$$

Visual Proof of $(a - b)^2$ (Algebra)



Visual Proof of $a^2 - b^2$



Visual Proof of $(a+b)^2$

