

بعض أشكال عملية الضرب

$$1. (a+b)^2 = a^2 + 2ab + b^2$$

مثال

$$(30 + 5E)^2 = (30)^2 + 2(30)(5E) + (5E)^2 \\ = 90^2 + 30E0 + 25E^2$$

$$(o + 4b)^2 = (o)^2 + 2(o)(4b) + (4b)^2 \\ = o^2 + 8bo + 16b^2$$

$$(B + 4C)^2 = (B)^2 + 2(B)(4C) + (4C)^2 \\ = B^2 + 8BC + 16C^2$$

$$2. (a-b)^2 = a^2 - 2ab + b^2$$

مثال

$$(4u - 2h)^2 = (4u)^2 - 2(4u)(2h) + (2h)^2 \\ = 16u^2 - 16hu + 4h^2$$

$$(o - 5m)^2 = (o)^2 - 2(o)(5m) + (5m)^2 \\ = o^2 - 10mo + 25m^2$$

$$(5D - 4S)^2 = (5D)^2 - 2(5D)(4S) + (4S)^2 \\ = 25D^2 - 40DS + 16S^2$$

$$3. (a+b)(a-b) = a^2 - b^2$$

مثال

$$(3d + h)(3d - h) = (3d)^2 - (h)^2 \\ = 9d^2 - h^2$$

$$(4J + Z)(4J - Z) = (4J)^2 - (Z)^2 \\ = 16J^2 - Z^2$$

$$(2m + s)(2m - s) = (2m)^2 - (s)^2 \\ = 4m^2 - s^2$$