

Generic Rectangles for Multiplication

Generic rectangles can be used as a tool for multiplying two numbers. First you break each factor into several parts, and then you multiply every part with every other part resulting in sub-products. Then you add together the sub-products to get the total product.

$$125 \cdot 75$$

	100	20	5
70	7000	1400	350
5	500	100	25

$$7000$$

$$1400$$

$$350$$

$$500$$

$$100$$

$$+ 25$$

$$\hline 9,375$$

$$125$$

$$\times 75$$

$$\hline 625$$

$$875$$

$$\hline 9,375$$

← traditional algorithm