

Πολλαπλασιάζω με τριψήφιο πολλαπλασιαστή

The diagram illustrates the vertical multiplication of 123 by 254. The first part shows the standard multiplication process with color-coded digits and arrows indicating the flow of the calculation. The second part, labeled "δοκιμή" (verification), shows the cross-multiplication method where the digits of the multiplier are multiplied by the digits of the multiplicand, and the results are summed to verify the final product.

ΔΧ ΜΧ Ε Δ Μ

$$\begin{array}{r} 123 \\ \times 254 \\ \hline 492 \\ 615 \\ + 246 \\ \hline 31242 \end{array}$$

δοκιμή

$$\begin{array}{r} 123 \\ 1+2+3=6 \\ \hline 6 \\ \times 254 \\ 2+5+4=11 \rightarrow 1+1=2 \\ \hline 2 \\ 6 \times 2 = 12 \rightarrow 1+2=3 \\ 3+1+2+4+2=12 \rightarrow 1+2=3 \\ \hline 31242 \end{array}$$

Πολλαπλασιάζω κάθετα και επαληθεύω, όπως στο παράδειγμα παραπάνω:

423 · 125	560 · 102	230 · 189	145 · 326
+	+	+	+