

Αλγόριθμος πολλαπλασιασμού διψήφιων αριθμών.

$$\begin{array}{r} 52 \\ \times 47 \\ \hline 364 \\ + \end{array}$$

Diagram illustrating the first step of the multiplication algorithm. The numbers 52 and 47 are shown. The product 364 is calculated for the first row (2 × 47). Arrows indicate the multiplication steps: 2 × 7 = 14 (write 4, carry 1), 2 × 4 = 8 + 1 = 9 (write 9, carry 0). A small box with the number 1 indicates the first step.



$$\begin{array}{r} 52 \\ \times 47 \\ \hline 364 \\ + 208 \\ \hline \end{array}$$

Diagram illustrating the second step of the multiplication algorithm. The second row (4 × 52) is calculated, resulting in 208. Arrows indicate the multiplication steps: 4 × 2 = 8 (write 8, carry 0), 4 × 5 = 20 (write 0, carry 2). A small box with the number 2 indicates the second step.



$$\begin{array}{r} 52 \\ \times 47 \\ \hline 364 \\ + 208 \\ \hline 2444 \end{array}$$

Diagram illustrating the final step of the multiplication algorithm. The final product 2444 is calculated by adding the two rows (364 + 208). A small box with the number 3 indicates the third step.