

Αλγόριθμος πολλαπλασιασμού διψήφιων αριθμών.

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

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 x 47). Arrows indicate the multiplication steps: 2 x 7 = 14 (arrow 1), 2 x 4 = 8 (arrow 2). A small box with the number 1 is in the top right corner.



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

Diagram illustrating the second step of the multiplication algorithm. The numbers 52 and 47 are shown. The product 364 is calculated for the first row (2 x 47). The product 208 is calculated for the second row (4 x 52). Arrows indicate the multiplication steps: 4 x 7 = 28 (arrow 3), 4 x 5 = 20 (arrow 4). A small box with the number 1 is in the top right corner.



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

Diagram illustrating the final step of the multiplication algorithm. The numbers 52 and 47 are shown. The product 364 is calculated for the first row (2 x 47). The product 208 is calculated for the second row (4 x 52). The final product 2444 is shown. An arrow labeled 5 points to the final result. A small box with the number 1 is in the top right corner.