

ESCOLA _____

NOME: _____ DATA: ____ / ____ / ____



1- Observe o modelo e faça igual

Diagram illustrating the multiplication of 14 by 17 using a grid model. The grid is 14 units high and 17 units wide, divided into four quadrants: top-left (10x10), top-right (10x7), bottom-left (4x10), and bottom-right (4x7). The products are 100, 70, 40, and 28. Below the grid, a vertical addition shows 140 (from 10x10) and 98 (from 4x10) being added to get 238. To the right, a standard multiplication problem is shown: 14×17 with a blank line for the result.

Diagram illustrating the multiplication of 18 by 15 using a grid model. The grid is 18 units high and 15 units wide, divided into four quadrants: top-left (10x10), top-right (10x5), bottom-left (8x10), and bottom-right (8x5). Below the grid, a vertical addition shows two blank circles representing the products of the top and bottom rows, which are then added together. To the right, a standard multiplication problem is shown: 18×15 with a blank line for the result.

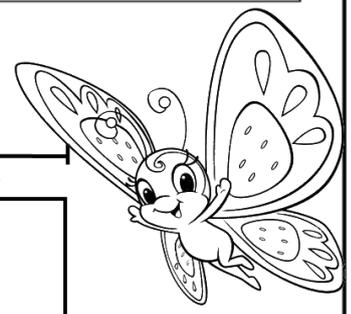


Diagram illustrating the multiplication of 12 by 27 using a grid model. The grid is 12 units high and 27 units wide, divided into four quadrants: top-left (10x20), top-right (10x7), bottom-left (2x20), and bottom-right (2x7). Below the grid, a vertical addition shows two blank circles representing the products of the top and bottom rows, which are then added together. To the right, a standard multiplication problem is shown: 12×27 with a blank line for the result.

Diagram illustrating the multiplication of 45 by 23 using a grid model. The grid is 45 units high and 23 units wide, divided into four quadrants: top-left (40x20), top-right (40x3), bottom-left (5x20), and bottom-right (5x3). Below the grid, a vertical addition shows two blank circles representing the products of the top and bottom rows, which are then added together. To the right, a standard multiplication problem is shown: 45×23 with a blank line for the result.

2- Efetue as multiplicações conforme o modelo.

Example 1: 14×17 using the grid model. The final result is 238. The steps are: $28 \rightarrow 7 \times 4$, $70 \rightarrow 7 \times 10$, $40 \rightarrow 10 \times 4$, and $+ 100 \rightarrow 10 \times 10$.

Example 2: 14×17 using the standard multiplication method. The final result is 238.

Example 3: 18×15 using the grid model. The final result is 270. The steps are: $\rightarrow \times$, $\rightarrow \times$, $\rightarrow \times$, and $\rightarrow \times$.

Example 4: 18×15 using the standard multiplication method. The final result is 270.

$\begin{array}{r} 12 \\ \times 27 \\ \hline \end{array}$	ou	$\begin{array}{r} 12 \\ \times 27 \\ \hline \end{array}$	
_____	_____	_____	_____
_____	_____	_____	+
_____	_____	_____	_____
+	_____	_____	_____
_____	_____	_____	_____

$\begin{array}{r} 45 \\ \times 23 \\ \hline \end{array}$	ou	$\begin{array}{r} 45 \\ \times 23 \\ \hline \end{array}$	
_____	_____	_____	_____
_____	_____	_____	+
_____	_____	_____	_____
+	_____	_____	_____
_____	_____	_____	_____

3- Veja o modelo e resolva as multiplicações.



$\begin{array}{r} 20 \\ \times 65 \\ \hline \end{array}$
0 → 5 X 0
100 → 5 X 20
0 → 60 X 0
+1200 → 60 X 20
1300

$\begin{array}{r} 40 \\ \times 53 \\ \hline \end{array}$		→		_____ X _____
_____		→		_____ X _____
_____		→		_____ X _____
+		→		_____ X _____
_____				_____

$\begin{array}{r} 166 \\ \times 50 \\ \hline \end{array}$		_____ X _____
_____		_____ X _____
+		_____ X _____
_____		_____ X _____
_____		_____ X _____

$\begin{array}{r} 308 \\ \times 42 \\ \hline \end{array}$		_____ X _____
_____		_____ X _____
+		_____ X _____
_____		_____ X _____
_____		_____ X _____