

6. Un autobús lleva 48 pasajeros en cada viaje. Si realiza 14 viajes. ¿Cuántos pasajeros llevó en total?



Descomposición

$$\begin{array}{c} \boxed{\quad} \times \boxed{\quad} = \boxed{\quad} \times \boxed{\quad} + \boxed{\quad} \\ \qquad \qquad \qquad \boxed{\quad} \times \boxed{\quad} + \boxed{\quad} \times \boxed{\quad} \\ \qquad \qquad \qquad \boxed{\quad} \qquad \qquad \qquad \boxed{\quad} \\ \qquad \qquad \qquad \qquad \qquad \qquad \boxed{\quad} \end{array}$$

Valor Posicional

Algoritmo de la multiplicación usando valor posicional (método de columna):

$$\begin{array}{r} 48 \\ \times 14 \\ \hline \boxed{\quad} \leftarrow 48 \times 4 \text{ (unidades)} \\ \boxed{\quad} \leftarrow 48 \times 1 (\rightarrow 10, \text{ es decir } 1 \text{ decena, por eso desplazamos un lugar}) \\ \hline \end{array}$$

$$\begin{array}{r} 48 \times \\ 14 \\ \hline \end{array}$$

Diagram showing the multiplication of 48 by 14 using base ten blocks:

- The number 48 is represented by two columns of four blocks each.
- The number 14 is represented by one column of four blocks and one row of two blocks.
- The product is shown as a single column of eight blocks.