

# Multiplying by grids

Multiply  $24 \times 32$ .

	Step 1 20	4	Step 2
30	$3 \times 2 = 6$ add Two Zeros. $= 600.$	$3 \times 4 = 12$ add one Zero. $= 120.$	
2	$2 \times 2 = 4$ add One zero $= 40$	$2 \times 4 = 8.$	Step 4
Step 3			

Step 1 =  $30 \times 20$

Step 2 =  $30 \times 4$

Step 3 =  $2 \times 20$

Step 4 =  $2 \times 4$

Finally -----  
Then add them up.

$$\begin{array}{r} 600 \\ 120 \\ 40 + \\ 8 \\ \hline 768. \end{array}$$

Answer :  $24 \times 32 = 768.$