Part	<b>Math</b> <b>Jing</b>
Bei	Ling

## Multiplying 3-Digit Numbers with 2-Digit Numbers

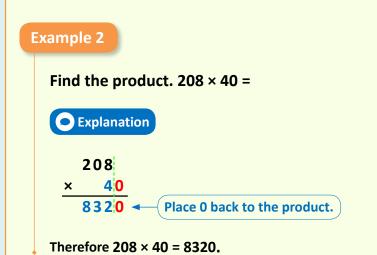
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**Using Paper and Pencil** 

Example 1  
621 × 32 =  
() Explanation  
Step 1: Line up the place values.  

$$621$$
  
 $\times 32$   
Step 2: To calculate the first partial product: Multiply 621 × 2 = 1242.  
 $621$   
 $\times 32$   
 $1242 \leftarrow$  Start the first partial product at the ones' place.  
Step 3: To calculate the second partial product: Multiply 621 × 3 = 1863.  
 $621$   
 $\times 32$   
 $1242 \leftarrow$  Start the first partial product at the ones' place.  
Step 3: To calculate the second partial product: Multiply 621 × 3 = 1863.  
 $621$   
 $\times 32$   
 $1242$   
 $18630$   
 $4$  Start the second partial product at the tens' place.  
Write a place holding 0 at the ones place.  
Step 4: Add the partial products.  
 $621$   
 $\times 32$   
 $1242$   
 $41863$   
 $19872$   
Therefore 621 × 32 = 19872.

When multiplying numbers that end with zero(s), remove the zero (0) and multiply. Then place the zero(s) back to the product.



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