## More Than One Digit

To solve multiplication problems using the traditional method it's a lot like addition.
You multiply, carry (if you need to) and repeat going from right to left for each number. Then you add your two answers together. Lets take a look at the steps in depth below to solve the problem:
$907 \times 32=$ $\qquad$

2) Ones place $\times$ Tens place.
A. $2 \times 0=0$
B. Add the 1 you carried in step 1 .
C. $0+1=1$
D. Place the 1 in the tens column.

## 6) Tens place $\times$ Tens place.

A. $3 \times 0=0$
B. Add the 2 you carried in step 5 .
C. $0+2=2$
D. Place the 2 in the hundreds column.



## 5) Tens place $\times$ Ones place.

A. $3 \times 7=21$
B. Place the 1 in the tens column and carry the 2 over the 0 .

## 3) Ones place $\times$ hundreds place.

A. $2 \times 9=18$
B. Place the 8 in the hundreds column and the 1 in the thousands column.


0

## 4) Place 0.

A. Place a 0 in the ones column. This is because now we're multiplying everything time 30.

A. Set the problem up so that you can add your two answers together.


## 9) Add ones.

A. $4+0=4$

10) Add tens.
A. $1+1=2$

11) Add hundreds.
A. $8+2=10$

12) Add thousands.
A. $7+1+1=9$

13) Add ten thousands.
A. $2+0=2$
B. So $907 \times 32=29,024$

## Things to Remember

- Make sure you put your 0 in before you multiply the second number. If you don't your entire answer will be wrong!

