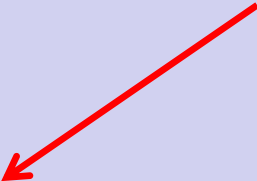


WALT: multiply numbers by 10, 100 and 1000

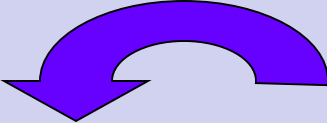
We will use this place value grid to help us work out the answer



Th	h	t	u

If we multiply any digit by 10 it will move one column to the left

x10

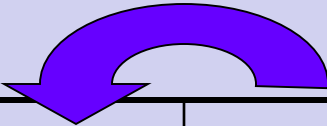


Th	h	t	u
			6
		6	0

We must put a 0 in the empty units column to hold the place so  $6 \times 10 = 60$

Let's look at another number

x10



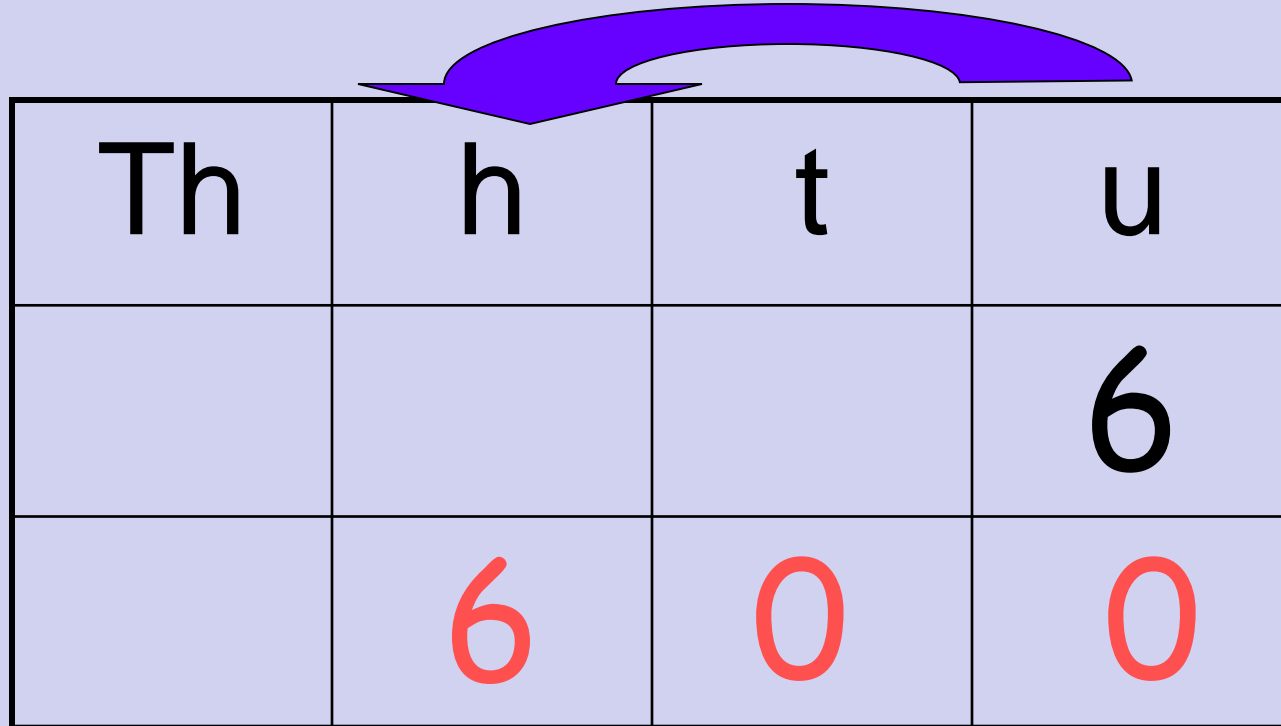
Th	h	t	u
			3
		3	0

Then we must remember to put the zero in to  
the hold the digits in place!

$$3 \times 10 = 30$$

If we multiply any digit by 100 it will move two columns to the left

X 100

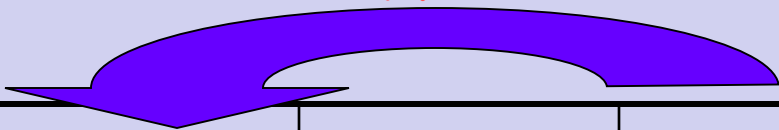


Th	h	t	u
			6
	6	0	0

We must put a 0 in the empty columns to hold the place -  
 $6 \times 100 = 600$

Let's try another number...

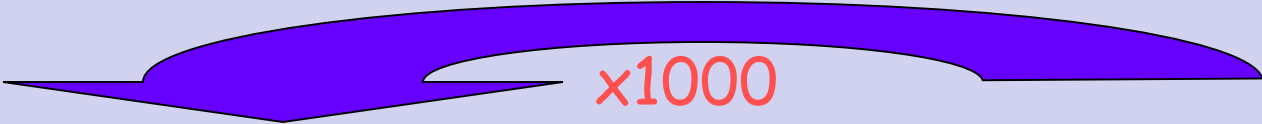
X 100



Th	h	t	u
			9
	9	0	0

We must put a 0 in the empty columns to hold the place -  
 $9 \times 100 = 900$

If we multiply any digit by 1000 it will move three columns to the left



Th	h	t	u
			6
6	0	0	0

We must put a 0 in the empty columns to hold the place -  
 $6 \times 1000 = 6000$

Let's try these examples!

$$9 \times 10 = 90$$

$$13 \times 10 = 1300$$

$$6 \times 1000 = 6000$$

$$14 \times 100 = 1400$$

$$5 \times 100 = 500$$

Write the answers on your  
whiteboards.

## Remember....

If you are  $\times$  by 10 you move the digits **ONE** column to the left

If you are  $\times$  by 100 you move the digits **TWO** columns to the left

If you are  $\times$  by 1000 you move the digits **THREE** columns to the left

Don't forget to include the 0's to hold the place value!

Th	h	t	u