Multiplying by 10, 100, 1000

You can use a **place value chart** when multiplying by 10, 100 and 1000. This methods shows you how the digits increase in value.

To multiply by 10, 100 or 1000:

1. Write the number being multiplied in a place value chart. If you do not have one, sketch your own.

2. If multiplying by 10, every digit moves one place value to the left. Fill in any gaps with a zero, which is a place value holder.

3. If multiplying by 100, every digit moves two place values to the left. Fill in any gaps with a zero.

4. If multiplying by 1000, every digit moves three place values to the left. Fill in any gaps with a zero.

5. Write your answer.

Example: 3 x 10 = 30

Thousand			Ones		
H	T	U	H	T	U
					3

Example: 6 x 100 = 600

Thousand			Ones		
H	T	U	H	T	U
					6

Example: 9 x 1000 = 9000

Thousand			Ones		
H	T	U	H	T	U
					9