Dividing by 10, 100, 1000

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

To divide 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 dividing by 10, every digit moves one place value to the right. Fill in any gaps with a zero, which is a place value holder.

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

4. If dividing by 1000, every digit moves three place values to the right. Fill in any gaps with a zero.
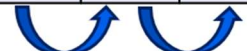
5. Write your answer.

Example: $30 \div 10 = 3$

Thousand			Ones		
H	T	U	H	T	U
				3	0

Example: $600 \div 100 = 6$

Thousand			Ones		
H	T	U	H	T	U
			6	0	0

Example: $9000 \div 1000 = 9$

Thousand			Ones		
H	T	U	H	T	U
		9	0	0	0