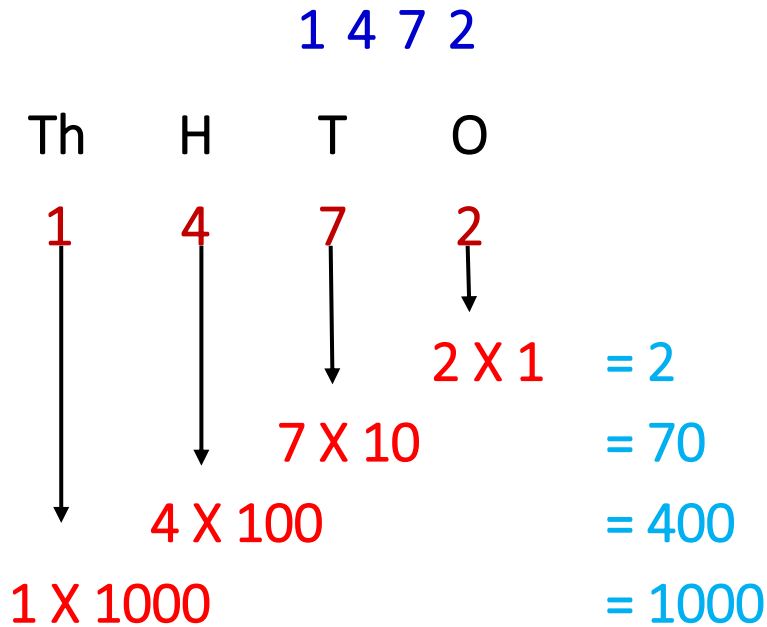


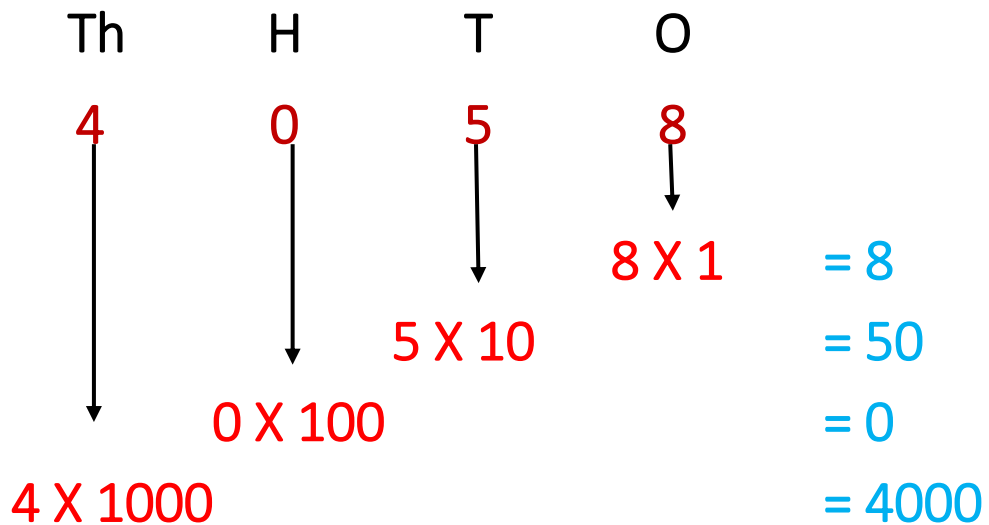
Place value and Face value of a number

Place value

Place value of a digit in a number depends upon its position of the number.



Example 1: Find the place value of 0 in 4058



The place value of 0 is 0

Example 2: Find the place value of 9 in 9453

Th	H	T	O
9	4	5	3
9×1000	4×100	5×10	3×1
9000	400	50	3

The place value of 9 is 9000

Example 3: Find the place value of 7 in 6217

Th	H	T	O
6	2	1	7
6×1000	2×100	1×10	7×1
6000	200	10	7

The place value of 7 is 7



Face value

The face value of a digit in a number is the **value of the digit itself**.

It **doesn't depend** upon its **position** of the number.

	1	4	7	2	
	Th	H	T	O	
	1	4	7	2	
	↓	↓	↓	↓	
	1	4	7	2	

Face value of 1 is 1
Face value of 4 is 4
Face value of 7 is 7
Face value of 2 is 2

Example 1: Find the face value of 5 in 1958

	1	9	5	8	
	Th	H	T	O	
	1	9	5	8	
	↓	↓	↓	↓	
	1	9	5	8	

The face value of 5 is 5

Example 2:

Find the place value and face value of 3 in 7348

7 3 4 8

Digits	Face value	Place value
7	7	$7 \times 1000 = 7000$
3	3	$3 \times 100 = 300$
4	4	$4 \times 10 = 40$
8	8	$8 \times 1 = 8$

The place value of 3 in 7348 is 300

The face value of 3 in 7348 is 3.

Example 3: 2 4 0 9

Find the place value of 9

Find the face value of 4

Digits	Face value	Place value
2	2	$2 \times 1000 = 2000$
4	4	$4 \times 100 = 400$
0	0	$0 \times 10 = 0$
9	9	$9 \times 1 = 9$

The place value of 9 in 2409 is 9.

The face value of 4 in 2409 is 4.

