

Lesson 2

Objective: Distinguish between value, place value and face value of a number.

Place Value

The number 456 has 3 digits, each in a different place.

Hundreds	Tens	Ones
4	5	6

The digit 6 is in the ones place. This means the digit has a value of 6 ones.

The digit 5 is in the tens place. This means the digit has a value of 5 tens.

The digit 4 is in the hundreds place. It has a value of 4 hundreds.

Face Value

Face value is the actual value of the digit. In the number 456, the "5" has a face value of 5.

Value

Value = The place value of the digit times its face value.

Example: Find the value of the digits 6, 8 and 4 in the number 684.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	*	Tenths	Hundredths	Thousandths
$\times 1,000,000$	$\times 100,000$	$\times 10,000$	$\times 1,000$	$\times 100$	$\times 10$	$\times 1$				
				6	8	4				
				6×100	8×10	4×1				
				600	80	4				

Value = 600 (There are six sets of hundreds)

Value = 80 (There are eight sets of tens)

Value = 4 (There are four sets of ones)