PLACE VALUE EXAMPLE

Read 4,083,709 by place, write it in expanded form,
and identify the value represented by each nonzero digit.

Problem

Find the place and value of each digit in 4,083,709.

Place-value chart

Digit	Place	Digit value
4	Millions	4,000,000
0	Hundred-thousands	0
8	Ten-thousands	80,000
3	Thousands	3,000
7	Hundreds	700
0	Tens	0
9	Ones	9

Step-by-step solution

1. Group the digits

Commas divide the number into millions, thousands, and ones periods.

2. Name each place

From left to right: millions, hundred-thousands, ten-thousands, thousands, hundreds, tens, ones.

3. Write each digit value

4 is 4,000,000; 8 is 80,000; 3 is 3,000; 7 is 700; and 9 is 9. Zeros hold their places.

4. Add the values

4,000,000 + 80,000 + 3,000 + 700 + 9 = 4,083,709.

ANSWER

4,083,709 = 4,000,000 + 80,000 + 3,000 + 700 + 9

Adding the place values reconstructs the original number.