

# Place Value and Expanded Form

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Write the number in expanded form.

Hundred-thousands place	Ten-thousands place	Thousands place	Hundreds place	Tens place	Ones place
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1  $160,572 = \boxed{100,000} + \boxed{60,000} + \boxed{0} + \boxed{500} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$

2  $279,005 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$

3  $56,921 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$

4  $395,066 = \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}} + \boxed{\phantom{000}}$

Match the number with its description.

5 307,865

My ten-thousands digit is even but is not 0.

6 711,000

My hundreds digit  $>$  my tens digit, and my tens digit  $>$  my ones digit.

7 521,804

The sum of my digits is 11.

8 632,790

My ten-thousands digit = my thousands digit.

9 13,061

I'm a six-digit number, and my hundred-thousands digit is even.

**Write a number that matches the description.**

10  $300,000 + 60,000 + 1,000 + 500 + 70 + 1$

11  $6,000 + 200 + 9$

12  $40,000 + 2,000 + 50 + 7$

13 The thousands, hundreds, tens, and ones digits are all odd.

14 The hundred-thousands digit  $<$  the ones digit.

15 The ten-thousands digit = the ones digit.

16 The hundreds digit is half the tens digit.

17 The sum of my digits is an even number.

18 The ones digit is 3 times the thousands digit.

19 The hundred-thousands digit is the sum of the thousands, hundreds, tens, and ones digits.

20 **Challenge** I'm a two-digit odd number.  
My tens digit is double my ones digit.  
I'm a multiple of 7. I'm not 21.

Who am I?