

Name: \_\_\_\_\_

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**CHAPTER**  
**1**

# Place Value of Whole Numbers

## Worksheet 1 Numbers to 100,000

Write the missing numbers in the place-value chart.

*Example*

Ten Thousands	Thousands	Hundreds	Tens	Ones
● ● ●	● ● ● ● ● ● ●	● ● ● ●	● ●	● ● ● ● ● ● ● ●
3	7	4	2	8

1.

Ten Thousands	Thousands	Hundreds	Tens	Ones
● ● ● ● ● ● ● ● ●	● ● ● ● ●	● ● ● ● ●	● ● ●	

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2.

Ten Thousands	Thousands	Hundreds	Tens	Ones
● ●	● ● ● ● ● ● ● ●	● ● ● ● ● ●	●	● ● ● ●

3.

Ten Thousands	Thousands	Hundreds	Tens	Ones
● ● ● ● ● ● ●		● ● ● ●	● ● ● ● ●	●

4.

Ten Thousands	Thousands	Hundreds	Tens	Ones
● ● ● ● ● ●	● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ● ●	● ● ● ● ● ● ●	● ● ●

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**Write each number in word form.**

Example

32,572 thirty-two thousand, five hundred seventy-two

5. 27,495 \_\_\_\_\_

6. 48,230 \_\_\_\_\_

7. 84,000 \_\_\_\_\_

8. 90,605 \_\_\_\_\_

**Write each number in standard form.**

Example

twelve thousand, seven hundred eleven

12,711

9. fifty-two thousand, eight hundred \_\_\_\_\_

10. eighty-three thousand, six hundred forty \_\_\_\_\_

11. twenty-nine thousand, three hundred fifty-one \_\_\_\_\_

12. sixty thousand, two hundred eighty-four \_\_\_\_\_

13. thirty-six thousand, five hundred sixteen \_\_\_\_\_

14. seventy thousand, fourteen \_\_\_\_\_

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**Complete the number patterns. Count on using ten thousands, thousands, hundreds, tens, or ones.**

*Example*

10,000   20,000   30,000   40,000   50,000   60,000

**15.**   50,000   60,000   70,000   \_\_\_\_\_   \_\_\_\_\_   \_\_\_\_\_

**16.**   19,000   19,010   19,020   \_\_\_\_\_   \_\_\_\_\_   \_\_\_\_\_

**17.**   30,400   30,500   30,600   \_\_\_\_\_   \_\_\_\_\_   \_\_\_\_\_

**18.**   40,500   50,600   60,700   \_\_\_\_\_   \_\_\_\_\_   \_\_\_\_\_

**Write the missing numbers.**

*Example*

31,748 = 3 ten thousands + 1 thousand +  
7 hundreds + 4 tens + 8 ones

**19.**   72,845 = \_\_\_\_\_ ten thousands + \_\_\_\_\_ thousands +  
\_\_\_\_\_ hundreds + \_\_\_\_\_ tens + \_\_\_\_\_ ones

**20.**   24,319 = \_\_\_\_\_ ten thousands + \_\_\_\_\_ thousands +  
\_\_\_\_\_ hundreds + \_\_\_\_\_ ten + \_\_\_\_\_ ones

**21.**   35,084 = \_\_\_\_\_ ten thousands + \_\_\_\_\_ thousands +  
\_\_\_\_\_ hundreds + 84 ones

**22.**   91,600 = \_\_\_\_\_ ten thousands + \_\_\_\_\_ thousand +  
\_\_\_\_\_ hundreds

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### Write the missing words.

In 58,742,

*Example*

the digit 2 is in the ones place.

**23.** the digit 4 is in the \_\_\_\_\_ place.

**24.** the digit 7 is in the \_\_\_\_\_ place.

**25.** the digit 8 is in the \_\_\_\_\_ place.

**26.** the digit 5 is in the \_\_\_\_\_ place.

### Write the value of the digit 9 in each number.

*Example*

49,627 9,000

**27.** 21,397 \_\_\_\_\_

**28.** 98,045 \_\_\_\_\_

**29.** 47,953 \_\_\_\_\_

**30.** 34,589 \_\_\_\_\_

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**Find each number using the clues.**

*Example*

The digit 7 is in the thousands place.  
The digit 4 is in the ten thousands place.  
The digit 1 is in the tens place.  
The digit 2 is in the hundreds place.  
The digit 9 is in the ones place.

The number is 47,219.

**31.**

The digit 8 is in the thousands place.  
The digit 9 is in the ten thousands place.  
The digit 5 is in the tens place.  
The digit 6 is in the hundreds place.  
The digit 3 is in the ones place.

The number is \_\_\_\_\_.

**32.**

The value of the digit 2 is 20.  
The value of the digit 8 is 8,000.  
The value of the digit 4 is 400.  
The value of the digit 3 is 3.  
The value of the digit 7 is 70,000.

The number is \_\_\_\_\_.

Name: \_\_\_\_\_

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### Write the missing numbers and words.

In 76,518,

*Example*

The value of the digit 5 is 500.

- 33.** The digit 7 is in the \_\_\_\_\_ place.
- 34.** The value of the digit 8 is \_\_\_\_\_.
- 35.** The digit 6 is in the \_\_\_\_\_ place and its value is \_\_\_\_\_.
- 36.** The value of the digit 1 is \_\_\_\_\_.

### Complete the expanded form.

*Example*

$79,488 = \underline{70,000} + \underline{9,000} + \underline{400} + \underline{80} + \underline{8}$

- 37.**  $42,859 = 40,000 + \underline{\hspace{2cm}} + 800 + \underline{\hspace{2cm}} + 9$
- 38.**  $61,734 = \underline{\hspace{2cm}} + 1,000 + \underline{\hspace{2cm}} + 30 + \underline{\hspace{2cm}}$
- 39.**  $24,570 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$
- 40.**  $68,037 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

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**Complete the number patterns. Then write the rule for each pattern.**

Example

20,427   30,427   40,427   50,427   60,427   70,427

Rule: Add 10,000.

Add 10,000 to 20,427 to get 30,427.  
Add 10,000 to 30,427 to get 40,427.  
So, the rule is to add 10,000 to find the next number in the pattern.



**41.**   81,796   82,796   83,796   \_\_\_\_\_   \_\_\_\_\_   86,796

Rule: \_\_\_\_\_

**42.**   64,400   54,400   44,400   \_\_\_\_\_   \_\_\_\_\_   14,400

Rule: \_\_\_\_\_

**43.**   38,195   37,190   36,185   \_\_\_\_\_   \_\_\_\_\_   33,170

Rule: \_\_\_\_\_



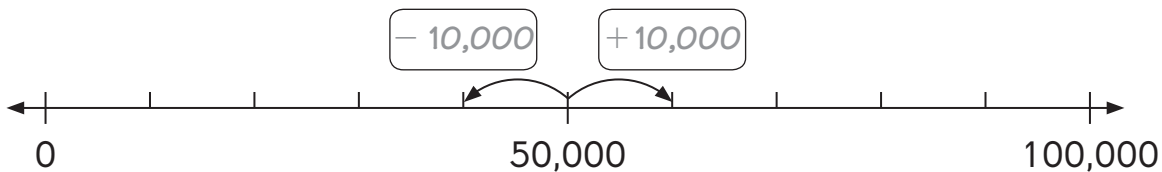
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## Worksheet 2 Comparing Numbers to 100,000

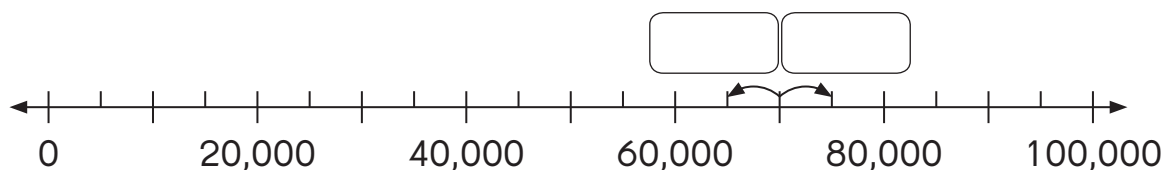
Use the number line to count on or count back.  
Write the missing numbers.

Example



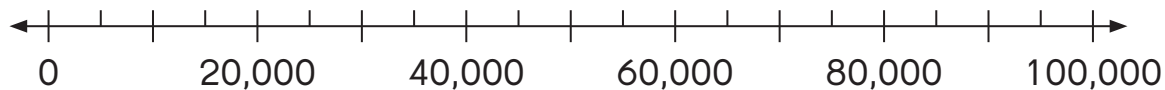
10,000 more than 50,000 is 60,000.

10,000 less than 50,000 is 40,000.



1. 5,000 more than 70,000 is \_\_\_\_\_.

2. 5,000 less than 70,000 is \_\_\_\_\_.



3. 10,000 more than 35,000 is \_\_\_\_\_.

4. 10,000 less than 45,000 is \_\_\_\_\_.

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Compare the numbers in the place-value chart. Then write  $<$  or  $>$ .

Example

Ten Thousands	Thousands	Hundreds	Tens	Ones
9	5	0	0	2
9	2	1	7	4

95,002  92,174

$>$  means *greater than*.  
 $<$  means *less than*.

5.

Ten Thousands	Thousands	Hundreds	Tens	Ones
4	5	7	8	2
4	5	3	2	6

45,782  45,326

6.

Ten Thousands	Thousands	Hundreds	Tens	Ones
7	3	1	3	4
7	3	1	8	4

73,134  73,184

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**Look at the numbers in the place-value chart. Then order the numbers from least to greatest.**

*Example*

Ten Thousands	Thousands	Hundreds	Tens	Ones
8	5	4	1	2
8	6	4	3	5
8	9	0	1	2

85,412   86,435   89,012

Compare the value of each digit from left to right. The digits in the ten thousands place are the same. Next compare the digits in the thousands place.



**7.**

Ten Thousands	Thousands	Hundreds	Tens	Ones
3	7	4	8	2
5	2	1	0	4
5	8	3	6	9

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**Write the missing numbers.**

*Example*

1,000 more than 97,136 is 98,136.

31,072 is 50,000 less than 81,072.

8. 10,000 more than 69,780 is \_\_\_\_\_.

9. 56,500 is \_\_\_\_\_ less than 60,500.

10. 1,000 less than 96,325 is \_\_\_\_\_.

11. \_\_\_\_\_ is 30,000 more than 10,400.

**Complete the number patterns. Then write the rule for each pattern.**

*Example*

43,200 45,200 47,200 49,200 51,200

Rule: Add 2,000.

12. 67,700 62,700 57,700 \_\_\_\_\_ \_\_\_\_\_

Rule: \_\_\_\_\_

13. 52,378 55,478 \_\_\_\_\_ 61,678 \_\_\_\_\_

Rule: \_\_\_\_\_

14. \_\_\_\_\_ 17,320 17,200 \_\_\_\_\_ 16,960

Rule: \_\_\_\_\_