

# Read and Write Numbers to 1,000,000

**How to use:** Print first for the main practice. Then use the device to repeat activities and save progress.

## LEARNING OBJECTIVES

- 1 Read and write numbers up to 1,000,000 in standard form
- 2 Write numbers up to 1,000,000 in word form
- 3 Write numbers up to 1,000,000 in expanded form
- 4 Identify the value of each digit using a place-value chart

## MINI LESSON

Numbers up to one million appear in populations, distances, and large data sets. Every number can be written three ways: standard form (digits only), word form (written-out words), and expanded form (each place value shown as an addition).

### The Place-Value Chart to 1,000,000

- The seven place values from right to left: ones, tens, hundreds, thousands, ten-thousands, hundred-thousands, millions.
- Each place is 10 times greater than the place to its right.
- Use commas to separate every group of three digits: 345,206.

### Standard Form

- Write the digits in order from greatest place to least.
- Insert a comma after every third digit from the right: 1,234,567.
- Example: three hundred forty-five thousand, two hundred six 345,206.

### Word Form

- Name the millions group, then the thousands group, then the hundreds group.
- Use a comma and the word "thousand" after the thousands group: "forty-five thousand, two hundred six."
- Zero in any place is not spoken: 345,206 has no tens, so tens are not named.

### Expanded Form

- Break the number into the value of each non-zero digit and add them.
- $345,206 = 300,000 + 40,000 + 5,000 + 200 + 6$ .
- Skip any place whose digit is zero — no zero addends.

## VOCABULARY

**Place value** The value a digit has based on its position within a number  
*e.g. The 4 in 345,206 has a place value of 40,000.*

**Standard form** A number written using digits only with commas every three places  
*e.g. 345,206 is written in standard form.*

**Word form** A number written out using words instead of digits  
*e.g. The word form of 206 is two hundred six.*

**Expanded form** A number written as the sum of the values of each non-zero digit  
*e.g. Expanded form:  $345 = 300 + 40 + 5$ .*

**Million** A number equal to 1,000,000 — one thousand thousands  
*e.g. A city of one million people is huge.*

! Tip: group digits in threes from the right, then insert commas. Read each group (millions, thousands, then the rest) separately.

### Place-Value Chart to 1,000,000

Millions	H-Thou	T-Thou	Thousands	Hundreds	Tens	Ones
1	0	0	0	0	0	0

**1,000,000**

one million

Each place is 10 times greater than the place to its right.

### Three Ways to Write 345,206

**Standard Form** **345,206**

**Word Form** three hundred forty-five thousand, two hundred six

**Expanded Form**  $300,000 + 40,000 + 5,000 + 200 + 6$

Zero tens: no tens addend in expanded form.  
 Commas separate each group of three digits.

## VOCABULARY

**Place value** The value a digit has based on its position within a number  
*e.g. The 4 in 345,206 has a place value of 40,000.*

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*e.g. Expanded form:  $345 = 300 + 40 + 5$ .*

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*e.g. A city of one million people is huge.*

## TRACING PRACTICE

Trace each number or word, then copy it twice on the lines provided.

MODEL — READ IT

100,000

COPY 1

COPY 2

MODEL — READ IT

500,000

COPY 1

COPY 2

MODEL — READ IT

1,000,000

COPY 1

COPY 2

MODEL — READ IT

millions

COPY 1

COPY 2

MODEL — READ IT

thousands

COPY 1

COPY 2

MODEL — READ IT

expanded

COPY 1

COPY 2

MODEL — READ IT



COPY 1

COPY 2

MODEL — READ IT



COPY 1

COPY 2

Tip: Say each number aloud as you write it.

TYPE OR WRITE

Write 3 different words from the list above.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

EXERCISES — FILL IN THE BLANKS

Fill in each blank.

1.  $600,000 + 40,000 + 7,000 + 500 + 80 + 3$  in standard form: \_\_\_\_\_ .
2.  $920,045$  in expanded form:  $900,000 + 20,000 +$  \_\_\_\_\_  $+ 5$ .
3. "Two hundred thirty thousand, four hundred" in standard form: \_\_\_\_\_ .
4.  $1,000,000$  in word form: \_\_\_\_\_ .
5.  $500,000 + 8,000 + 70$  in standard form: \_\_\_\_\_ .
6.  $763,002$  in expanded form:  $700,000 + 60,000 + 3,000 +$  \_\_\_\_\_ .

"Flip the page upside down to see the answer key"

1. 647,583 2. 40 3. 230,400 4. one million 5. 508,070 6. 2

EXERCISES — TAP THE CORRECT ANSWER

Read each question, then color the circle next to every correct answer.

1. Tap all numbers that have a 4 in the ten-thousands place.

247,100

341,500

40,200

840,000

914,600

643,000

2. Tap all numbers written in correct standard form with commas.

1200000

1,200,000

84500

84,500

307000

307,000

## EXERCISES — MULTIPLE CHOICE

Circle the best answer.

1. Which is the standard form of "four hundred sixty-two thousand, thirty"?

462,300

462,030

462,003

2. What is the value of the digit 5 in 750,284?

5,000

50,000

500,000

3. Which expanded form matches 830,007?

$800,000 + 30,000 + 7$

$800,000 + 3,000 + 7$

$80,000 + 30,000 + 7$

4.  $200,000 + 60,000 + 4,000 + 900 + 5$  in standard form is:

264,905

264,950

264,095

5. How many digits does a 6-digit number always have?

Exactly 5

Exactly 6

Up to 7

6. In 1,000,000, how many zeros follow the 1?

5

6

7

7. What is  $999,999 + 1$ ?

1,000,000

999,1000

1,999,999

8. Which word form matches 405,060?

four hundred five thousand, sixty

four hundred fifty thousand, sixty

four hundred five thousand, six hundred

"Flip the page upside down to see the answer key"

1. b 2. b 3. a 4. a 5. b 6. b 7. a 8. a

## ASSESSMENT

### PARENT / TEACHER CHECKLIST

- Reads a 6-digit number aloud correctly, naming the thousands and hundreds groups.
- Writes a given word-form number in standard form with correct comma placement.
- Writes the expanded form of a 6-digit number, skipping zero place values.
- Identifies the value of a specified digit in a 6-digit number using a place-value chart.