

# Reading and Writing Multi-Digit Numbers

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

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 24

## Q Quick Review

Numbers can be written three ways. **Standard form** is the number with digits, like 24,506. **Word form** spells it out: “twenty-four thousand, five hundred six.” **Expanded form** shows the value of each digit added together:  $20,000 + 4,000 + 500 + 6$ . When you read a big number, use the **comma** to break it into groups of three — read the group, then say its name (thousand). A zero in a place means that place has no value, so you simply skip it.

◇ **Example:** Write 35,208 in word form and expanded form.

⇒ Let's break the number at the comma into two groups: 35 and 208. The first group is read “thirty-five thousand.” The second group is “two hundred eight” — notice the 0 in the tens place just gets skipped. Put them together for the word form. For expanded form, write the value of each digit: the 3 is 30,000, the 5 is 5,000, the 2 is 200, the 0 in tens is nothing, and the 8 is 8. Add those values up.

**Answer:** thirty-five thousand, two hundred eight =  $30,000 + 5,000 + 200 + 8$

## PRACTICE

Write each number in the form requested.

- |   |       |  |       |
|---|-------|--|-------|
| 1. Standard form of $600 + 40 + 9$                    | _____ | 12. Standard form of “two hundred eight thousand, sixty” | _____ |
| 2. Standard form of $2,000 + 300 + 50 + 7$            | _____ | 13. Word form of 7,214 (thousands group?)                | _____ |
| 3. Expanded form of 482                               | _____ | 14. Word form of 53,900 (thousands group?)               | _____ |
| 4. Expanded form of 5,016                             | _____ | 15. Standard form of $80,000 + 4,000 + 600 + 90 + 1$     | _____ |
| 5. Standard form of $30,000 + 2,000 + 100 + 40$       | _____ | 16. Expanded form of 305,010                             | _____ |
| 6. Expanded form of 27,305                            | _____ | 17. Standard form of “nineteen thousand, four hundred”   | _____ |
| 7. Standard form of “four thousand, ninety”           | _____ | 18. Expanded form of 640,502                             | _____ |
| 8. Standard form of “sixty-two thousand, five”        | _____ | 19. Standard form of $500,000 + 70,000 + 8$              | _____ |
| 9. Expanded form of 90,807                            | _____ | 20. Word form of 240,000 (thousands group?)              | _____ |
| 10. Standard form of $100,000 + 50,000 + 3,000 + 200$ | _____ |  |       |
| 11. Expanded form of 416,029                          | _____ |  |       |

## ◆ Word Problems

21. A news website reported that “twenty-six thousand, three hundred fifteen” people visited a museum last month. Write that number in standard form. \_\_\_\_\_
22. Ava is filling out a check for \$1,204. She needs to write the amount in word form. What should she write? \_\_\_\_\_
23. A school printed  $40,000 + 3,000 + 200 + 50$  flyers for a fundraiser. Write the total number of flyers in standard form. \_\_\_\_\_
24. The odometer in a family car reads 108,060 miles. Write this number in word form. \_\_\_\_\_



## Answer Keys

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|--|--|
| <ol style="list-style-type: none"> <li>1. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">649</span></li> <li>2. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">2,357</span></li> <li>3. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;"><math>400 + 80 + 2</math></span></li> <li>4. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;"><math>5,000 + 10 + 6</math></span></li> <li>5. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">32,140</span></li> <li>6. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;"><math>20,000 + 7,000 + 300 + 5</math></span></li> <li>7. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">4,090</span></li> <li>8. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">62,005</span></li> <li>9. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;"><math>90,000 + 800 + 7</math></span></li> <li>10. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">153,200</span></li> <li>11. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;"><math>400,000 + 10,000 + 6,000 + 20 + 9</math></span></li> <li>12. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">208,060</span></li> </ol> | <ol style="list-style-type: none"> <li>13. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">seven thousand</span></li> <li>14. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">fifty-three thousand</span></li> <li>15. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">84,691</span></li> <li>16. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;"><math>300,000 + 5,000 + 10</math></span></li> <li>17. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">19,400</span></li> <li>18. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;"><math>600,000 + 40,000 + 500 + 2</math></span></li> <li>19. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">570,008</span></li> <li>20. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">two hundred forty thousand</span></li> <li>21. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">26,315</span></li> <li>22. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">one thousand, two hundred four</span></li> <li>23. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">43,250</span></li> <li>24. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">one hundred eight thousand, sixty</span></li> </ol> |
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### Step-by-Step Explanations

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|---|---|
| <ol style="list-style-type: none"> <li>1. Add the values: <math>600 + 40 + 9 = 649</math>.</li> <li>2. Each value fills its place: 2 thousands, 3 hundreds, 5 tens, 7 ones gives 2,357.</li> <li>3. Break it by place value: <math>400 + 80 + 2</math>.</li> <li>4. The hundreds place is 0, so skip it: <math>5,000 + 10 + 6</math>.</li> <li>5. Fill each place: 3 ten thousands, 2 thousands, 1 hundred, 4 tens, 0 ones gives 32,140.</li> <li>6. The tens place is 0, so it is left out: <math>20,000 + 7,000 + 300 + 5</math>.</li> <li>7. Four thousand is 4,000 and ninety is 90; there are no hundreds, so 4,090.</li> <li>8. Sixty-two thousand is 62,000 and five is 5, with zeros in hundreds and tens: 62,005.</li> <li>9. The thousands and tens places are 0: <math>90,000 + 800 + 7</math>.</li> <li>10. Fill each place to get 153,200.</li> <li>11. The hundreds place is 0, so skip it: <math>400,000 + 10,000 + 6,000 + 20 + 9</math>.</li> <li>12. Two hundred eight thousand is 208,000 and sixty is 60: 208,060.</li> </ol> | <ol style="list-style-type: none"> <li>13. The digits before the comma are 7, read as "seven thousand."</li> <li>14. The group before the comma is 53, read as "fifty-three thousand."</li> <li>15. Fill each place in order: 84,691.</li> <li>16. Only three places have value: <math>300,000 + 5,000 + 10</math>.</li> <li>17. Nineteen thousand is 19,000 and four hundred is 400: 19,400.</li> <li>18. The thousands and tens places are 0: <math>600,000 + 40,000 + 500 + 2</math>.</li> <li>19. Fill the places, leaving zeros where there is no value: 570,008.</li> <li>20. The group before the comma is 240, read as "two hundred forty thousand."</li> <li>21. Twenty-six thousand is 26,000, three hundred is 300, and fifteen is 15. Together that is 26,315.</li> <li>22. The group before the comma is 1 ("one thousand") and after is 204 ("two hundred four"). The tens place is 0, so it is skipped: one thousand, two hundred four.</li> <li>23. Add the place values: <math>40,000 + 3,000 + 200 + 50 = 43,250</math> flyers.</li> <li>24. The group before the comma is 108 ("one hundred eight thousand") and after is 060 ("sixty"). The hundreds place is 0, so it is skipped.</li> </ol> |
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