

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.

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

◆ Word Problems

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



Answer Keys

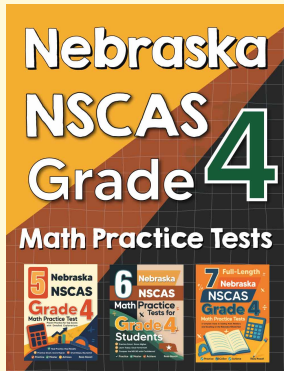
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| <p>1. <input type="text" value="649"/></p> <p>2. <input type="text" value="2,357"/></p> <p>3. <input type="text" value="400 + 80 + 2"/></p> <p>4. <input type="text" value="5,000 + 10 + 6"/></p> <p>5. <input type="text" value="32,140"/></p> <p>6. <input type="text" value="20,000 + 7,000 + 300 + 5"/></p> <p>7. <input type="text" value="4,090"/></p> <p>8. <input type="text" value="62,005"/></p> <p>9. <input type="text" value="90,000 + 800 + 7"/></p> <p>10. <input type="text" value="153,200"/></p> <p>11. <input type="text" value="400,000 + 10,000 + 6,000 + 20 + 9"/></p> <p>12. <input type="text" value="208,060"/></p> | <p>13. <input type="text" value="seven thousand"/></p> <p>14. <input type="text" value="fifty-three thousand"/></p> <p>15. <input type="text" value="84,691"/></p> <p>16. <input type="text" value="300,000 + 5,000 + 10"/></p> <p>17. <input type="text" value="19,400"/></p> <p>18. <input type="text" value="600,000 + 40,000 + 500 + 2"/></p> <p>19. <input type="text" value="570,008"/></p> <p>20. <input type="text" value="two hundred forty thousand"/></p> <p>21. <input type="text" value="26,315"/></p> <p>22. <input type="text" value="one thousand, two hundred four"/></p> <p>23. <input type="text" value="43,250"/></p> <p>24. <input type="text" value="one hundred eight thousand, sixty"/></p> |
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Step-by-Step Explanations

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| <p>1. Add the values: $600 + 40 + 9 = 649$.</p> <p>2. Each value fills its place: 2 thousands, 3 hundreds, 5 tens, 7 ones gives 2,357.</p> <p>3. Break it by place value: $400 + 80 + 2$.</p> <p>4. The hundreds place is 0, so skip it: $5,000 + 10 + 6$.</p> <p>5. Fill each place: 3 ten thousands, 2 thousands, 1 hundred, 4 tens, 0 ones gives 32,140.</p> <p>6. The tens place is 0, so it is left out: $20,000 + 7,000 + 300 + 5$.</p> <p>7. Four thousand is 4,000 and ninety is 90; there are no hundreds, so 4,090.</p> <p>8. Sixty-two thousand is 62,000 and five is 5, with zeros in hundreds and tens: 62,005.</p> <p>9. The thousands and tens places are 0: $90,000 + 800 + 7$.</p> <p>10. Fill each place to get 153,200.</p> <p>11. The hundreds place is 0, so skip it: $400,000 + 10,000 + 6,000 + 20 + 9$.</p> <p>12. Two hundred eight thousand is 208,000 and sixty is 60: 208,060.</p> | <p>13. The digits before the comma are 7, read as "seven thousand."</p> <p>14. The group before the comma is 53, read as "fifty-three thousand."</p> <p>15. Fill each place in order: 84,691.</p> <p>16. Only three places have value: $300,000 + 5,000 + 10$.</p> <p>17. Nineteen thousand is 19,000 and four hundred is 400: 19,400.</p> <p>18. The thousands and tens places are 0: $600,000 + 40,000 + 500 + 2$.</p> <p>19. Fill the places, leaving zeros where there is no value: 570,008.</p> <p>20. The group before the comma is 240, read as "two hundred forty thousand."</p> <p>21. Twenty-six thousand is 26,000, three hundred is 300, and fifteen is 15. Together that is 26,315.</p> <p>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.</p> <p>23. Add the place values: $40,000 + 3,000 + 200 + 50 = 43,250$ flyers.</p> <p>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.</p> |
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