

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.

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|-------------------------------------------------------------|----------------------------------------------------------------|
| 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

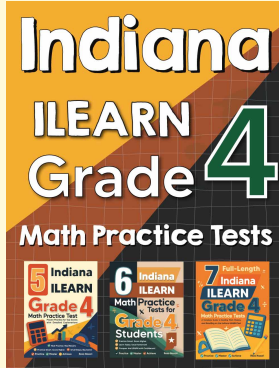
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| <ol style="list-style-type: none"> 1. 649 2. 2,357 3. $400 + 80 + 2$ 4. $5,000 + 10 + 6$ 5. 32,140 6. $20,000 + 7,000 + 300 + 5$ 7. 4,090 8. 62,005 9. $90,000 + 800 + 7$ 10. 153,200 11. $400,000 + 10,000 + 6,000 + 20 + 9$ 12. 208,060 | <ol style="list-style-type: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

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