Reading and Writing Multi-Digit Whole Numbers

Spot mistakes, reason, and work backward

Name _____ **Date** _____ **Score** _____ / 8

QUICK REVIEW

Read groups of three digits. $305{,}042$ is three hundred five thousand forty-two. Its expanded form is $300{,}000 + 5{,}000 + 40 + 2$; zero holds an empty place.

Worked example

Write $408{,}026$ in expanded form.

1. The thousands group is 408 and the remaining group is 026.
2. Place values give $400000 + 8000 + 20 + 6 = 408026$.
3. Check the sum: $408026 = 408026$; zeros keep any empty places.
Answer: $400000 + 8000 + 20 + 6$.

Practice Problems

Show your thinking.

1. A printer turns two hundred five thousand ninety into $205{,}900$. Repair the last three digits.

2. One term is missing from $920{,}406 = 900{,}000 + 20{,}000 + \square + 6$. Find it and name its place.

3. The name is seven hundred thousand thirty-one. Fill the two missing digits in $700{,}0\square\square$.

4. A place-value chart groups the digits as $318 \mid 050$. Write the standard and word forms.

Thousands group	Ones group
318	050

5. A student writes $306{,}005 = 300{,}000 + 6{,}000 + 50$. Correct the last term.

6. Find the numeral described by 8 hundred-thousands, 2 thousands, 7 tens, and 1 one.

7. Explain why $70{,}040$ and $70{,}400$ have different word forms.

8. Write the catalog number five hundred sixty thousand three.

Answer Key

1. $205{,}090$.
2. 400; hundreds.
3. The digits are $3, 1$; the number is $700{,}031$.
4. $318{,}050$; three hundred eighteen thousand fifty.
5. The last term is 5.
6. 802071.
7. Seventy thousand forty; seventy thousand four hundred.
8. $560,003$.

Step-by-Step Solutions

Follow each calculation, then check your own work.

Problem 1

1. The thousands group is 205, giving $205{,}000$.
2. Ninety adds 90, not 900: $205{,}000 + 90 = 205{,}090$.
3. The final group must be 090 to keep 9 in tens.

Problem 2

1. The known terms total $900{,}000 + 20{,}000 + 6 = 920{,}006$.
2. $920{,}406 - 920{,}006 = 400$.
3. $400 = 4 \times 100$, so the missing part belongs to hundreds.

Problem 3

1. Seven hundred thousand is $700{,}000$.
2. Thirty-one is $3 \times 10 + 1 = 31$.
3. $700{,}000 + 31 = 700{,}031$, so the last two digits are $3, 1$.

Problem 4

1. The left group gives $318 \times 1{,}000 = 318{,}000$.
2. The right group 050 adds 50: $318{,}000 + 50 = 318{,}050$.
3. Read the groups as three hundred eighteen thousand fifty; the zero keeps hundreds empty.

Problem 5

1. The first two terms total $306{,}000$.
2. $306{,}005 - 306{,}000 = 5$.
3. The digit 5 is in ones, so $300{,}000 + 6{,}000 + 5 = 306{,}005$.

Problem 6

1. $8 \times 100{,}000 + 2 \times 1{,}000 = 802{,}000$.
2. $7 \times 10 + 1 = 71$.
3. $802{,}000 + 71 = 802{,}071$.

Problem 7

1. Both have the thousands group 70.
2. The first remainder is $40 = 4 \times 10$; the second is $400 = 4 \times 100$.
3. The remainders differ by $400 - 40 = 360$, so the numbers differ.

Problem 8

1. The thousands group is 560 and the remaining group is 003.
2. Place values give $500000 + 60000 + 3 = 560003$.
3. Check the sum: $560003 = 560003$; zeros keep any empty places.

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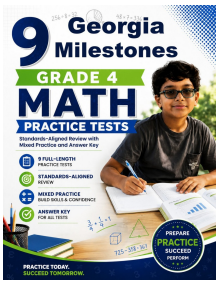

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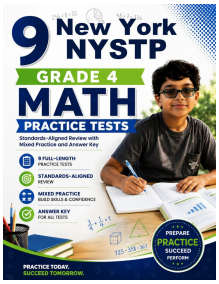

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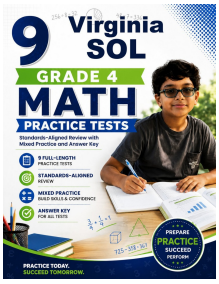

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