

Student Activity Book

*Write Big Numbers (SAB p. 115)

Standard Form	Expanded Form	Word Form
33,128	$30,000 + 3,000 + 100 + 20 + 8$	Thirty-three thousand, one hundred twenty-eight
1,355,227	$1,000,000 + 300,000 + 50,000 + 5,000 + 200 + 20 + 7$	one million, three hundred fifty-five thousand, two hundred twenty-seven
22,418,965	$20,000,000 + 2,000,000 + 400,000 + 10,000 + 8,000 + 900 + 60 + 5$	twenty-two million, four hundred eighteen thousand, nine hundred sixty-five
57,214,000	$50,000,000 + 7,000,000 + 200,000 + 10,000 + 4,000$	Fifty-seven million, two hundred fourteen thousand
165,998,247	$100,000,000 + 60,000,000 + 5,000,000 + 900,000 + 90,000 + 8,000 + 200 + 40 + 7$	one hundred sixty-five million, nine hundred ninety-eight thousand, two hundred forty-seven
29,273,998,105	$20,000,000,000 + 9,000,000,000 + 200,000,000 + 70,000,000 + 3,000,000 + 900,000 + 90,000 + 8,000 + 100 + 5$	Twenty-nine billion, two hundred seventy-three million, nine hundred ninety-eight thousand, one hundred five

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*Answers and/or discussion are included in the lesson.

Name _____ Date _____

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Complete the table. An example is shown.

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1,355,227		
	$20,000,000 + 2,000,000 + 400,000 + 18,000 + 900 + 60 + 5$	Fifty-seven million, two hundred fourteen thousand
165,998,247		Twenty-nine billion, two hundred seventy-three million, nine hundred ninety-eight thousand, one hundred five

Show Big Numbers SAB • Grade 5 • Unit 3 • Lesson 1 115

Student Activity Book - Page 115

Problem Solver: I don't think so, but now I remember, **standard form** is just the regular way to write a number using digits, 365.

Not Sure: Now I remember another term on that list! **Word form** just means that the digits are written in words, three hundred sixty-five.

Problem Solver: There's another problem-solving strategy that can help us. Find a pattern. That way you don't have to remember so many rules. There is a pattern in reading and writing larger numbers, and it has something to do with knowing the **periods**.

Remembers Rules: There's a rule about that: Read the number in each period and say the name of each period. A **period** is a group of three places in a large number. If you can read three-digit numbers, and you know the names of the periods, reading big numbers is easy. We need this rule on our study notes.

Study Notes:

- There are ten **digits** in our number system:

0 1 2 3 4 5 6 7 8 9

- The value of each **digit** is determined by its **position** or **place**.

- Read the number in each **period** and say the name of each **period**.

Not Sure: I guess I need to get a better picture of the periods in my head.

Problem Solver: Okay. Let's go back to the place value chart.

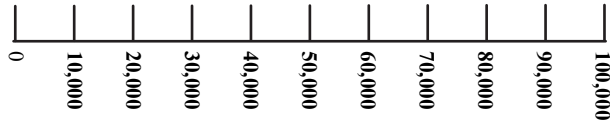
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Show Big Numbers

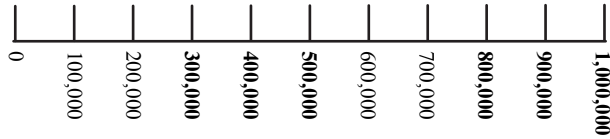
SG • Grade 5 • Unit 3 • Lesson 1 123

Population Lines (SAB p. 123)

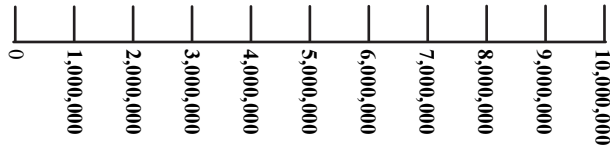
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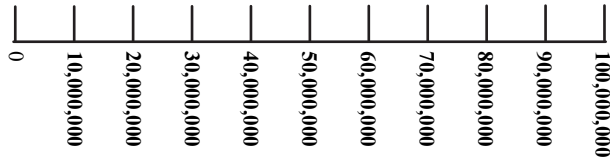
2.*



3.



4.



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