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6. A. Which state has the smallest population?
 B. What is the population of this state?

7. A. Which state has the largest population?
 B. What is the population of this state?

8. Which state has a reported population closest to 1 million? How did you decide?

9. What is the reported population of Arkansas rounded to the nearest million? How did you decide?

✓ **Check-In: Questions 10-14**

10. Put the populations of Arizona, Colorado, and Connecticut in order from smallest to largest.

11. A. Write the population of Alabama in expanded form.
 B. Write the population of Florida in expanded form.

12. A. Write the population of Connecticut in word form.
 B. Write the population of Delaware in word form.

13. Which two states have populations of about 5 million people? How did you decide?

14. A. Round the population of California to the nearest 10 million.
 B. Round the population of California to the nearest million.

Play the *Spin and Read Big Numbers Game* in the *Student Activity Book* to practice reading large numbers correctly.

Represent Large Numbers Using Number Lines
 Complete the *Population Lines* page in the *Student Activity Book*. Use the number lines on that page to complete Questions 15–18.

15. Show the position of each state's population in the 2012 State Populations Table 1 on the appropriate number line. Alaska has been added to the correct number line as an example.

16. A. The population of Arizona is between which two benchmarks? Use these benchmarks to round the population of Arizona to the nearest million.
 B. Name the two benchmarks that the population of Alabama is between. Use these benchmarks to round the population of Alabama to the nearest 1 million.
 C. Round the population of Delaware to the nearest hundred thousand. Which two benchmarks did you use?

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

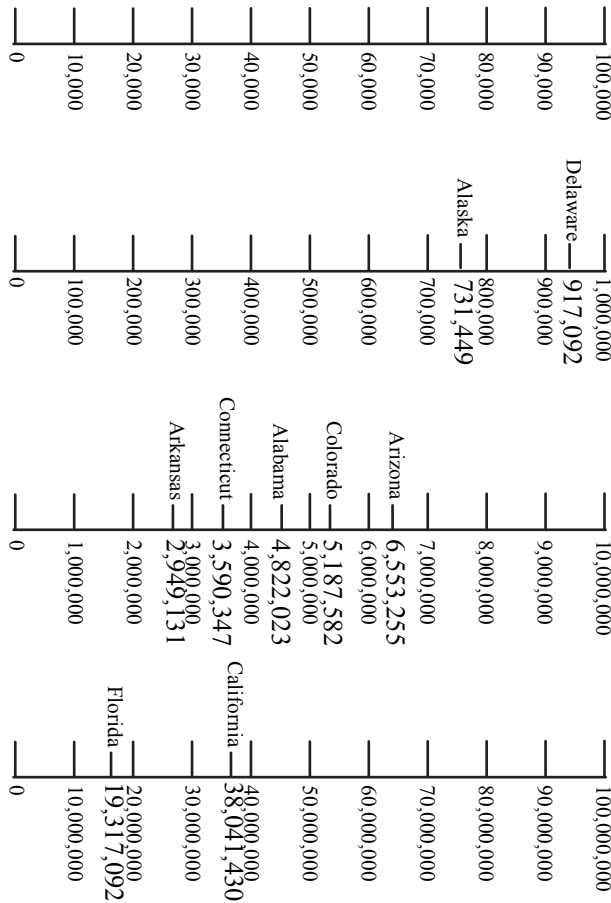
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Show Big Numbers (SG pp. 125–127)

Questions 1–18

1. Arizona
2. 4,822,023
3. 19,317,568
4. A.* Florida; Possible response: Florida has a population that is almost 20 million but Alabama is only about 5 million.
 B.* 4,822,023; 6,553,255; 19,317,568 (Alabama, Arizona; Florida)
5. A. Connecticut
 B. Delaware, Arkansas
6. A. Alaska
 B. 731,449
7. A. California
 B. 38,041,430
- 8.* Delaware; Possible response. I see that it is over 900,000 and that is close to 1 million.
- 9.* 3 million; Possible response: I looked at the digit in the hundred thousands place and saw that it is a nine. That is very close to ten so I rounded up from 2 million to 3 million.
10. 3,590,347; 5,187,582; 6,553,255 (Connecticut, Colorado, Arizona)
11. A. $4,000,000 + 800,000 + 20,000 + 2000 + 20 + 3$
 B. $10,000,000 + 9,000,000 + 300,000 + 10,000 + 7000 + 500 + 60 + 8$
12. A. three million, five hundred ninety thousand, three hundred forty-seven
 B. nine hundred seventeen thousand, ninety-two
13. Alabama and Colorado; Possible response: If you round the population of both of these states to the nearest million they will both round to 5,000,000. Alabama is just a little less than 5 million and Colorado is just a little more than 5 million.
14. A. 40,000,000
 B. 38,000,000

15.*



16. A.* 6,000,000 and 7,000,000; 7,000,000
 B. 4,000,000 and 5,000,000; 5,000,000
 C. 900,000; 900,000 and 1,000,000
17. A.* 5,000,000; 5,000,000 and 6,000,000
 B.* 5,200,000; 5,100,000 and 5,200,000
18. A. 20,000,000; 19,000,000 and 20,000,000
 B. 19,000,000; 19,000,000 and 20,000,000

17. A. Round the population of Colorado to the nearest 1 million.
 What two benchmarks did you use?
 B. Round the population of Colorado to the nearest hundred thousand.
 What two benchmarks did you use?
18. A. Round the population of Florida to the nearest ten million.
 Name the two benchmarks you used.
 B. Round the population of Florida to the nearest million.
 What two benchmarks did you use?



2012 State Populations Table 2

| State | Nickname | Population |
|-----------|------------------|------------|
| Georgia | Peach State | 9,919,945 |
| Hawaii | Aloha State | 1,392,313 |
| Idaho | Gem State | 1,595,728 |
| Illinois | Prairie State | 12,875,255 |
| Indiana | Hoosier State | 6,537,334 |
| Iowa | Hawkeye State | 3,074,186 |
| Kansas | Sunflower State | 2,885,905 |
| Kentucky | Blue Grass State | 4,380,415 |
| Louisiana | Pelican State | 4,601,893 |

Use the 2012 State Population Table 2 to answer Questions 1–5.

1. A. Read each number aloud.
 B. Put the populations of Georgia, Hawaii, Idaho, Illinois, and Indiana in order from the smallest to the largest.
2. Use expanded form to write the numbers that have a 3 or 8 in the 10,000 place.
3. Use word form to write the numbers for the two states that have the reported populations closest to 3 million.
4. Is the population of Kansas closer to 2,800,000 or 2,900,000?

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17. A. Round the population of Colorado to the nearest 1 million.
What two benchmarks did you use?
- B. Round the population of Colorado to the nearest hundred thousand.
What two benchmarks did you use?
18. A. Round the population of Florida to the nearest ten million.
Name the two benchmarks you used.
- B. Round the population of Florida to the nearest million.
What two benchmarks did you use?



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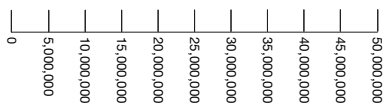
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Show Big Numbers

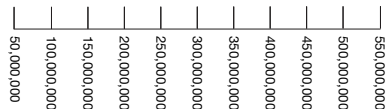
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5. Is the population of Illinois closer to 12,876,000 or 12,875,000?
6. Maine has a population of one-million, three-hundred twenty-nine thousand, one hundred ninety-two. Write that number in standard form.
7. Use a ruler to draw a number line starting at 0 counting by 5,000,000 up to 50,000,000.



8. Use a ruler to draw a number line starting at 50,000,000 and counting by 50,000,000 up to 550,000,000.



9. Compare the population facts for a fifth-grade student at the Tarver School in the United States and the Karachi American School in Pakistan. Use the two number lines you drew in Questions 7 and 8 and place the population numbers on the appropriate number line for each school.

- A. city
- B. state or province
- C. country

| | | | | | |
|-----------------------------|-----------------------|----------------|-----------|------------------------|-------------|
| Name of Your School: Tarver | | | | | |
| City: Phoenix | | State: Arizona | | Country: United States | |
| Class | 5 th Grade | School | City | State | Country |
| 25 | 130 | 772 | 1,593,659 | 6,553,255 | 313,914,040 |

| | | | | | |
|--|-----------------------|-----------------|------------|-------------------|-------------|
| Name of Your School: Karachi American School | | | | | |
| City: Karachi | | Province: Sindh | | Country: Pakistan | |
| Class | 5 th Grade | School | City | Province | Country |
| 32 | 32 | 357 | 23,500,000 | 35,764,539 | 190,291,129 |

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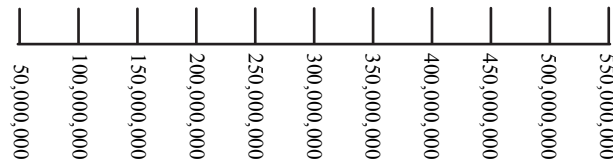
Homework (SG pp. 127–128)

Questions 1–9

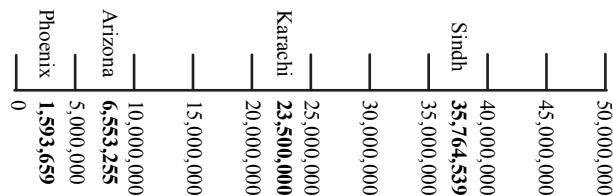
1. Hawaii – 1,392,313; Idaho – 1,595,728; Indiana – 6,537,334; Georgia – 9,919,945; Illinois – 12,875,255
2. Indiana – 6,537,334 = 6,000,000 + 500,000 + 30,000 + 7,000 + 300 + 30 + 4
Kansas – 2,885,905 = 2,000,000 + 800,000 + 80,000 + 5,000 + 900 + 5
Kentucky – 4,380,415 = 4,000,000 + 300,000 + 80,000 + 400 + 10 + 5
3. Iowa – three million, seventy-four thousand, one hundred eighty-six
Kansas – two million, eight hundred eighty-five thousand, nine hundred five
4. 2,900,000
5. 12,875,000
6. 1,329,192
- 7.



8.



9.



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