Name _____

Mark the best answer.

1. The United States population is about 301,500,000. How is 301,500,000 written in words? (1-1)

   A  Three hundred fifteen thousand

   B  Three hundred one thousand, five hundred

   C  Three hundred one million, five hundred

   D  Three hundred one million, five hundred thousand

2. Which shows forty-one billion, sixty-five million, nine hundred twenty thousand, seventy-one in standard form. (1-3)

   A  410,065,920,071

   B  41,650,920,071

   C  41,065,920,071

   D  4,165,920,071

3. What is the value of the 6 in 95,706,023,001? (1-1)

   A  Six thousand

   B  Sixty thousand

   C  Six hundred thousand

   D  Six million

4. Which of the following numbers is less than 8.605? (1-4)

   A  8.506

   B  8.614

   C  8.656

   D  86.05

5. Which is another way to write 370,200,690? (1-1)

   A  3,000 + 700 + 20 + 60 + 9

   B  300,000 + 7,000,000 + 200 + 6 + 9

   C  3,000,000 + 7,000 + 200 + 69

   D  300,000,000 + 70,000,000 + 200,000 + 600 + 90

6. Which of the following correctly orders the numbers from greatest to least? (1-4)

   A  32.3, 32.8, 33, 34.4
   B  33.4, 33, 32.8, 32.3
   C  32.8, 33.4, 32.3, 33
   D  33, 33.4, 32.3, 32.8

7. What is the value of the 8 in 14.958? (1-3)

   A  8 thousandths
   B  8 hundredths
   C  8 tenths
   D  8 hundred

8. Which number set is ordered correctly from least to greatest? (1-2)

   A  953,006; 986,398; 964,334
   B  953,006; 964,534; 986,398
   C  986,398; 953,006; 964,534
   D  986,398; 964,534; 953,006

9. A certain measurement must be between 3.64 and 4.28 centimeters. Which number is greater than 3.64 and less than 4.28? (1-4)

   A  5.42
   B  4.39
   C  4.01
   D  3.53

10. Which number is largest? (1-2)

   A  27,094,232
   B  27,120,491
   C  2,814,332
   D  27,103,576

Name _____

**11.** Which statement is true? (1-2)

    **A** $3,700,689 < 3,007,689$

    **B** $4,500,000 = 405,000$

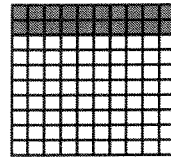    **C** $406,567,002 > 405,643,023$

    **D** $543,877,225 > 553,100,000$

**12.** What is 3.449 in word form? (1-3)

    **A** Three and forty-nine hundredths

    **B** Three and four hundred forty-nine thousandths

    **C** Three and four thousand four hundred forty-nine ten thousandths

    **D** Thirty and four hundred forty-nine thousandths

**13.** Which of the following is more than 3.882? (1-4)

    **A** 3.082

    **B** 3.822

    **C** 3.885

    **D** 3.805

**14.** What part of the figure is shaded? (1-3)

    **A** 0.2

    **B** 0.02

    **C** 0.002

    **D** 0.020

**15.** In which direction will the arrow point in the next figure of the pattern? (1-5)

    **A** Left

    **B** Up

    **C** Right

    **D** Down

1. About 885,000,000 people speak Mandarin Chinese. How is 885,000,000 written in words? (1-1)

   A  eight hundred million, eighty-five thousand

   B  eight hundred eighty-five million

   C  eight billion, eighty-five million

   D  eight hundred eighty-five billion

2. A National Park in Alaska has eighty thousand, nine-hundred twenty-three and eighty-six hundredths acres of nonfederal land. Which shows this number in standard form? (1-3)

   A  80,923.68

   B  80,923.86

   C  80,923.086

   D  80,923.806

3. About 1,300,000,000 people ride the New York Subway System each year. What is the value of the 3 in 1,300,000,000? (1-1)

   A  Three hundred thousand

   B  Three million

   C  Three hundred million

   D  Three billion

4. The circumference of a bowling ball is less than 27.002 inches. Which of the following numbers is less than 27.002? (1-4)

   A  27.02

   B  27.2

   C  27.004

   D  27

5. In the year 2000, the population of New York City was about 14,700,000. Which of the following is another way to write this number? (1-1)

   A  10,000,000 + 4,000,000 + 70,000

   B  10,000,000 + 4,000 + 700

   C  10,000,000 + 4,000,000 + 700

   D  10,000,000 + 4,000,000 + 700,000

6. The average daily temperatures in July of some cities in Texas are shown in the table. Which of the following lists the cities from greatest temperature to least temperature? (1-4)

   | City | Average Daily Temperature |
   |---|---|
   | Austin | 84.5°F |
   | Dallas | 85.9°F |
   | San Antonio | 85°F |
   | Fort Worth | 85.3°F |

   A  Dallas, Fort Worth, San Antonio, Austin

   B  Austin, Fort Worth, San Antonio, Dallas

   C  Dallas, Austin, Fort Worth, San Antonio

   D  San Antonio, Fort Worth, Dallas, Austin

7. Lead melts at 327.46°C. What is the value of the 6 in 327.46? (1-3)

   A  6 hundreds

   B  6 tenths

   C  6 hundredths

   D  6 thousandths

**8.** Which of the following shows the numbers in order from least to greatest? (1-2)

A 201,008  201,080  201,800

B 201,080  201,800  201,008

C 201,080  201,008  201,800

D 201,008  201,800  201,080

**9.** A certain machine part must be between 2.73 and 3.55 inches. Which number is greater than 2.73 and less than 3.55? (1-4)

A 3.73

B 3.6

C 2.55

D 2.75

**10.** As of 2006, which country listed had the greatest number of cell phones? (1-2)

| Country | Cell Phones |
| --- | --- |
| Mexico | 38,451,100 |
| South Korea | 36,586,100 |
| Spain | 38,646,800 |
| Turkey | 34,707,500 |

A Mexico

B South Korea

C Spain

D Turkey

**11.** Which statement is true? (1-2)

A $157,324,113 > 157,323,113$

B $157,324,113 < 157,323,113$

C $157,323,113 > 157,332,113$

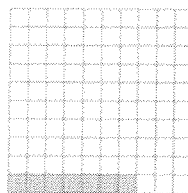D $157,332,113 < 157,324,113$

**12.** Which decimal is one and twenty-one millionths in standard form? (1-3)

A 1.00021

B 1.000021

C 1.021

D 1.21

**13.** Which of the following is less than 2.08? (1-4)

A 2.7

B 2.1

C 2.080

D 2.07

**14.** What part of the figure is shaded? (1-3)

A 0.7

B 0.70

C 0.07

D 0.007

**15.** Where will the shaded square be located in the next figure of the pattern? (1-5)

A lower right corner

B lower left corner

C upper right corner

D upper left corner

**Set A,** pages 4–5

Write the word form and tell the value of the underlined digit for 930,365.

Nine hundred thirty thousand, three hundred sixty-five.

Since the 0 is in the thousands place, its value is 0 thousands or 0.

Write the word form and tell the value of the underlined digit for 65,467,386,941.

Sixty-five billion, four hundred sixty-seven million, three hundred eighty-six thousand, nine hundred forty-one

Since the 6 is in the ten billions place, its value is 60,000,000,000.

**Remember** that, starting from the right, each group of three digits forms a period. Periods are separated by commas.

Write the word form and tell the value of the underlined digit.

1. 9,000,009
2. 300,000,000,000
3. 25,678
4. 17,874,000,000
5. 4,000,345,000
6. 105,389
7. 876,400,000,000
8. 600,309,470
9. 135,000
10. 2,647,000
11. 4,104,327,894

**Set B,** pages 6–8

Compare. Write <, >, or =.

2,876,547 ◯ 2,826,547.

Line up the numbers above one another.

2,876,547      Begin at the left and compare.
2,826,547      Notice that the ten thousands are different.

7 ten thousands > 2 ten thousands

So, 2,876,547 > 2,826,547

**Remember** that lining up place values helps you compare numbers.

Compare. Write >, <, or =.

1. 9,990 ◯ 9,099
2. 89,128 ◯ 90,000
3. 1,000,000 ◯ 999,999
4. 300,300 ◯ 303,000
5. 6,752,100 ◯ 6,752,000
6. 9,314 ◯ 9,314
7. 17,320 ◯ 17,212
8. 45,006 ◯ 45,060
9. 22,009 ◯ 22,090
10. 8,374 ◯ 8,374

**Set C,** pages 10–11

Write the word form and tell the value of the underlined digit for the number 8.000026.

Write the numbers on a place value chart.

| ones | | tenths | hundredths | thousandths | ten-thousandths | hundred-thousandths | millionths |
|------|---|--------|------------|-------------|-----------------|---------------------|------------|
| 8 | . | 0 | 0 | 0 | 0 | 2 | 6 |

Eight and twenty-six millionths

The 2 is in the hundred-thousandths place. Its value is 0.00002.

**Remember** to write the word *and* for the decimal point.

Write the word form and tell the value of each underlined digit.

1. 8.5̲9

2. 2.25̲1

3. 7.00̲3

4. 3.002̲4

5. 6.83̲7

6. 0.00063̲6

**Set D,** pages 12–13

Compare. Write $<$, $>$, or $=$.

8.45 ◯ 8.47.

Line up the numbers above each other by the decimals.

8.4̲5

8.4̲7

5 hundredths $<$ 7 hundredths

So, 8.45 $<$ 8.47.

**Remember** that equivalent decimals, such as 0.45 and 0.450, can help you compare numbers.

Compare. Write $>$, $<$, or $=$.

1. 0.584 ◯ 0.58

2. 9.327 ◯ 9.236

3. 5.2 ◯ 5.20

4. 5.643 ◯ 5.675

5. 0.07 ◯ 0.08

**Set E,** pages 14–16

The table below shows the number of new members each month for a club. If the pattern continues, how many new members will there be in June?

| Jan. | Feb. | Mar. | Apr. | May | June |
|------|------|------|------|-----|------|
| 15 | 30 | 60 | 120 | | |

**Pattern:** The number doubles each month.

May: $120 \times 2 = 240$    June: $240 \times 2 = 480$

In June, there will be 480 new members.

**Remember** to look for a pattern.

1. On the board, Andrea's teacher wrote the pattern below. Find the next three numbers in the pattern.

   2, 4, 8, 14, 22, ▨, ▨, ▨

2. Sean bought a rare stamp for $15. He was told that it would increase in value by $11 each year. What will the stamp's value be after 4 years?