|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1.** | **Underline the tens place.** | | | | |
| **a.** | 34.67 | **b.** | 123,902.56 | **c.** | 47,912.45 |
|  |  |  |  |  |  |
| **2.** | **Underline the ones place.** | | | | |
| **a.** | 123.07 | **b.** | 123,902,901 | **c.** | 9,875.467 |
|  |  |  |  |  |  |
| **3.** | **Underline the hundredths place.** | | | | |
| **a.** | 1,095.0123 | **b.** | 6,982.901 | **c.** | 0.8976 |
|  |  |  |  |  |  |
| **4.** | **Write down the place value of the digit 5 in the following numbers.** | | | | |
| **a.** | 345,004.123 | **b.** | 23,785.004 | **c.** | 1,237.005 |
|  |  |  |  |  |  |
| **5.** | **Write down the place value of the digit 1 in the following numbers.** | | | | |
| **a.** | 1,456.023 | **b.** | 679,002.109 | **c.** | 994,310.99 |
|  |  |  |  |  |  |
| **6.** | **Write down the place value of the digit 7 in the following numbers.** | | | | |
| **a.** | 178,000,900.111 | **b.** | 23,000.0007 | **c.** | 700,000,000.001 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **7.** | **Write the value of the underlined digit.** | | | | |
| **a.** | 2,151 | **b.** | 889,862,221 | **c.** | 123,009.05 |

|  |  |
| --- | --- |
| **8.** | **Write each number in words.** |
| **a.** | 1,002.0050 |
|  |  |
| **b.** | 1,834.18 |
|  |  |

|  |  |
| --- | --- |
| **9.** | **Write each number in standard form.** |
| **a.** | Eleven and three hundredths |
|  |  |
| **b.** | Eighty-five one-thousandths |
|  |  |
| **c.** | Two million, fifteen thousand, three hundred twenty-five. |
|  |  |

**Write the following numbers in standard form.**

|  |  |
| --- | --- |
| **10.** | **400,000 + 50,000 + 5,000 + 50 + 0.5 + 0.005** |
|  |  |

|  |  |
| --- | --- |
| **11.** | **2,000 + 10 + 4 + 0.1 + 0.01 + 0.003** |
|  |  |
| **12.** | **600,000,000 + 40,000 + 4,000 + 0.004** |
|  |  |
| **13.** | **30,000,000 + 900,000 + 10,000 + 0.5** |
|  |  |
| **14.** | **1,000 + 20 + 1 + 0.001 + 0.0009** |
|  |  |

**Write the following numbers in expanded form.**

|  |  |
| --- | --- |
| **15.** | **56,004.0675** |
|  |  |
| **16.** | **3,498.633** |
|  |  |
| **17.** | **12.0041** |
|  |  |
| **18.** | **540,009,453.9985** |
|  |  |

|  |  |
| --- | --- |
| **19.** | **What number has 9 tens and 6 less ones than tens?** |
|  |  |

|  |  |
| --- | --- |
| **20.** | **What number has 6 thousands and 2 less hundreds than thousands?** |
|  |  |

|  |  |
| --- | --- |
| **21.** | **John wrote down a three digit number and dared the class to guess what it was. See if you can guess the number. He gave them a few clues:**   * **The hundreds place digit is 5 greater than the ones place digit.** * **The tens place digit is 2 greater than the ones place digit.** * **The sum of all three places values is 10.** |
|  |  |

**ANSWERS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1.** | **Underline the tens place.** | | | | |
| **a.** | 34.67 | **b.** | 123,902.56 | **c.** | 47,912.45 |
|  | 34.67 |  | 123,902.56 |  | 47,912.45 |
| **2.** | **Underline the ones place.** | | | | |
| **a.** | 123.07 | **b.** | 123,902,901 | **c.** | 9,875.467 |
|  | 123.07 |  | 123,902,901 |  | 9,875.467 |
| **3.** | **Underline the hundredths place.** | | | | |
| **a.** | 1,095.0123 | **b.** | 6,982.901 | **c.** | 0.8976 |
|  | 1,095.0123 |  | 6,982.901 |  | 0.8976 |
| **4.** | **Write down the place value of the digit 5 in the following numbers.** | | | | |
| **a.** | 345,004.123 | **b.** | 23,785.004 | **c.** | 1,237.005 |
|  | One-thousands |  | Ones |  | One-thousandths |
| **5.** | **Write down the place value of the digit 1 in the following numbers.** | | | | |
| **a.** | 1,456.023 | **b.** | 679,002.109 | **c.** | 994,310.99 |
|  | One-thousands |  | Tenths |  | Tens |
| **6.** | **Write down the place value of the digit 7 in the following numbers.** | | | | |
| **a.** | 178,000,900.111 | **b.** | 23,000.0007 | **c.** | 700,000,000.001 |
|  | Ten-millions |  | Ten-thousandths |  | Hundred-millions |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **7.** | **Write the value of the underlined digit.** | | | | |
| **a.** | 2,151 | **b.** | 889,862,221 | **c.** | 123,009.05 |
|  | Tens  50 |  | Hundred-millions  800,000,000 |  | Hundredths  0.05 |

|  |  |
| --- | --- |
| **8.** | **Write each number in words.** |
| **a.** | 1,002.0050 |
|  | One thousand, two and fifty ten-thousandths |
| **b.** | 1,834.18 |
|  | One thousand, eight hundred thirty-four and eighteen hundredths |

|  |  |
| --- | --- |
| **9.** | **Write each number in standard form.** |
| **a.** | Eleven and three hundredths |
|  | 11.03 |
| **b.** | Eighty-five one-thousandths |
|  | 0.085 |
| **c.** | Two million, fifteen thousand, three hundred twenty-five. |
|  | 2, 015,325 |

**Write the following numbers in standard form.**

|  |  |
| --- | --- |
| **10.** | **400,000 + 50,000 + 5,000 + 50 + 0.5 + 0.005** |
|  | 455,050.505 |

|  |  |
| --- | --- |
| **11.** | **2,000 + 10 + 4 + 0.1 + 0.01 + 0.003** |
|  | 2,014.113 |
| **12.** | **600,000,000 + 40,000 + 4,000 + 0.004** |
|  | 600,044,000.004 |
| **13.** | **30,000,000 + 900,000 + 10,000 + 0.5** |
|  | 30,910,000.5 |
| **14.** | **1,000 + 20 + 1 + 0.001 + 0.0009** |
|  | 1,021.0019 |

**Write the following numbers in expanded form.**

|  |  |
| --- | --- |
| **15.** | **56,004.0675** |
|  | Value of 5 = 5 \* 10,000 = 50,000  Value of 6 = 6 \* 1,000 = 6,000  Value of 4 = 4 \* 1 = 4  Value of 6 = 6 \* 0.01 = 0.06  Value of 7 = 7 \* 0.001 = 0.007  Value of 5 = 5 \* 0.0005 = 0.0005  56,004.0675= 50,000+ 6,000+ 4 + 0.06 + 0.007 + 0.0005 |
| **16.** | **3,498.633** |
|  | Value of 3 = 3 \* 1,000 = 3,000  Value of 4 = 4 \* 100 = 400  Value of 9 = 9 \* 10 = 90  Value of 8 = 8 \* 1 = 8  Value of 6 = 6 \* 0.1 = 0.6  Value of 3 = 3 \* 0.01 = 0.03  Value of 3 = 3 \* 0.001 = 0.003  3,498.633 = 3,000 + 400 + 90 + 8 + 0.6 + 0.03 + 0.003 |
| **17.** | **12.0041** |
|  | Value of 1 = 1 \* 10 = 10  Value of 2 = 2 \* 1 = 2  Value of 4 = 4 \* 0.001 = 0.004  Value of 1 = 1 \* 0.0001 = 0.0001  12.0041 = 10 + 2 + 0.004 + 0.0001 |
| **18.** | **540,009,453.9985** |
|  | Value of 5 = 5 \* 100,000,000 = 500,000,000  Value of 4 = 4 \* 10,000,000 = 40,000,000  Value of 9 = 9 \* 1,000 = 9,000  Value of 4 = 4 \* 100 = 400  Value of 5 = 5 \* 10 = 50  Value of 3 = 3 \* 1 = 3  Value of 9 = 9 \* 0.1 = 0.9  Value of 9 = 9 \* 0.01 = 0.09  Value of 8 = 8 \* 0.001 = 0.008  Value of 5 = 5 \* 0.0001 = 0.0005  540,009,453.9985 = 500,000,000 + 40,000,000 + 9,000 + 400 + 50 + 3 + 0.9 + 0.09 + 0.008 + 0.0005 |

|  |  |
| --- | --- |
| **19.** | **What number has 9 tens and 6 less ones than tens?** |
|  | 93 |

|  |  |
| --- | --- |
| **20.** | **What number has 6 thousands and 2 less hundreds than thousands?** |
|  | 6,400 |

|  |  |
| --- | --- |
| **21.** | **John wrote down a three digit number and dared the class to guess what it was. See if you can guess the number. He gave them a few clues:**   * **The hundreds place digit is 5 greater than the ones place digit.** * **The tens place digit is 2 greater than the ones place digit.** * **The sum of all three places values is 10.** |
|  | 631 |