Math Study Guide Continued: Chapter 1

1. Choose all the numbers that have a digit in the ten thousands place that is 10 times the digit in the thousands place.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 221, 462 | B. 255, 731 | C. 266, 894 | D. 220, 446 | E. 277, 580 |

2. The value of the digit 5 in the number 5, 436 is \_\_\_\_\_\_\_\_ times the value of the digit 5 in the number 4, 536.

3. Claire and Josh each wrote a number. Claire’s number is 10 times the value of Josh’s number. Which can be the numbers Claire and Josh wrote?

|  |  |
| --- | --- |
| A. Claire: 120 Josh: 110 | C. Claire: 5,000 Josh: 500 |
| B. Claire: 130 Josh: 140 | D. Claire: 600 Josh: 6,000 |

4. Put an X in the table to show if it is greater than 70, 461 or less than 70, 461.

|  |  |  |
| --- | --- | --- |
|  | Greater Than 70, 461 | Less than 70, 461 |
| 70, 460 |  |  |
| 70, 453 |  |  |
| 71, 012 |  |  |
| 75, 112 |  |  |
| 69, 989 |  |  |
| 70, 362 |  |  |

5. Ms. Goldberg wrote a comparison on the board, as shown.

13, 426 ? 12, 389

Devin says 13, 426 is greater. Bill says 12, 389 is greater. Who is correct and why?

A. Bill is correct, because the ones digit in 12, 389 is greater than the ones digit in 13, 426.

B. Bill is correct, because the value of the 2 in 12, 389 is greater than the value of the 2 in

13, 426.

C. Devin is correct, because the hundreds digit in 13, 426 is greater than the hundreds digit in 12, 389.

D. Devin is correct, because the thousands digit in 13, 426 is greater than the thousands digit in 12, 389.

6. The two comparisons shown have an unknown number.

* 10,000 +800+40+7 < \_\_\_
* \_\_\_<ten thousand, nine hundred eleven

The same unknown number makes both comparisons true. Which could be the unknown number?

|  |  |  |  |
| --- | --- | --- | --- |
| A. 10, 845 | B. 10, 870 | C. 10, 911 | D. 10, 915 |

7. Write < or > in the blank to make the statement true.

* 6, 104\_\_\_six thousand, one hundred forty
* 306, 201 \_\_\_ three hundred sixty thousand, two hundred one

8. The numbers in the first column are to be rounded to a specified place value. Put an X under the one number in EACH row that matches the correctly rounded number.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 627,500 | 630,000 | 627,000 | 628,000 | 620,000 | 627,600 |
| 627,339 rounded to the nearest ten thousand |  |  |  |  |  |  |
| 627,582 rounded to the nearest hundred |  |  |  |  |  |  |
| 627,449 rounded to the nearest thousand |  |  |  |  |  |  |

9. Drake found out how many people live in Washington, D.C. He rounded the number of people to 600,000. Which number might be the exact number of people who live in Washington, D.C.?

|  |  |  |  |
| --- | --- | --- | --- |
| A. 549,076 | B. 617,996 | C. 652,438 | D. 704,899 |

10. List each number in the “Number Word Bank” under the correct heading.

Number Word Bank:

|  |  |  |  |
| --- | --- | --- | --- |
| 39,710 | 44,517 | 45,972 | 44,611 |
| 40,155 | 40,462 | 39,451 | 45,480 |

|  |  |  |
| --- | --- | --- |
| Rounds to 40,000 | Rounds to 45,000 | Rounds to neither  40,000 nor 45,000 |
|  |  |  |