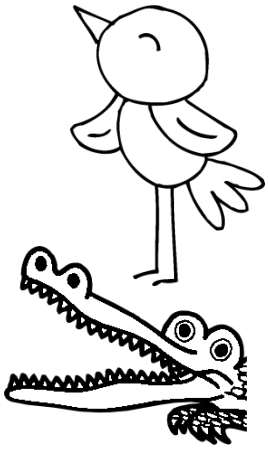
Name: _____ **Comparing Large Numbers**



You can think of the *less than* symbol **<** as the beak of a little bird. The number (or expression) with the *lesser* value goes at the pointed tip of the beak. 10 < 100

Think of the *greater than* symbol **>** as the wide-open mouth of an alligator. The number (or expression) with the *greater* value goes at the wide-open end of the alligator's mouth. 100 > 10

Notice that the two symbols < and > look very much alike, only they point in different directions.

Remember: No matter which direction the symbol points, the greater value goes on the wide open end and the smaller value goes on the pointed end.

Use the symbols {**<, >, =**} to compare the following:

1. 1,254,567 _____ 1,054,567
2. 100,100 _____ 101,000
3. 523,499 _____ 532,400
4. 609,888 _____ 610,000
5. 1,576,824 _____ 1,569,824
6. 1,030,050 _____ 1,000,000 + 30,000 + 50

Use the symbols **{<, >, =}** to compare the **value** of the digits:

7. In the number 456,321, the value of the digit 6 is _____ the value of the digit 4.
8. In the number, 1,342,500, the value of the digit 1 is _____ the value of the digit 5.
9. Write 705,032 in expanded form:

10. 72 thousands = _____ 34 hundreds = _____

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,			,			
millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones

Fill in the blank:

11. 1 thousand = _____ hundreds

12. 1 million = _____ hundred thousands

13. 10 thousands = _____ ten thousand

14. 1 hundred thousand = _____ thousands

15. _____ x 1,000 = 10,000

16. 100,000 = _____ x 1,000

17. 10 x 100,000 = _____

18. 100 x 100 = _____

19. The value of the 10 thousands place is _____times the value of the thousands place.

20. The value of the 100 thousands place is _____ times the value of the thousands place.

What is the **value** of the underlined digit in each of the following numbers:

21. 1,3<u>4</u>4,456 _____

22. 58<u>9</u>,352 _____

23. 1,<u>6</u>76,009 _____

24. <u>2</u>,222,222 _____

Write these expanded numbers in *standard form*:

25. 1,000,000 + 30,000 + 40 + 7 =

26. 500,000 + 6,000 + 300 =

27. 1,000,000 + 700,000 + 80,000 + 80 + 1 =

28. 50,000 + 20 =