

Name: _____

Inequalities

Inequality Symbols

The symbol $<$ means less than. The lesser number goes on the pointed side of the symbol and the greater number goes on the wide-open side of the symbol.

The symbol $>$ means greater than. Here again, the lesser number goes on the pointed side of the symbol and greater number goes on the wide-open side of the symbol.

No matter which direction the symbol points, you **always** put the greater number on the wide-open side and the lesser number on the pointed side.

$3 < 4$ is read "three is less than four." $3 < 4$ *means* that the number 3 (on the pointed side) is less than the number 4 (on the wide open side). It *also means* that the number 4 (on the wide open side) is greater than the number 3 (on the pointed side).

$4 > 3$ is read "four is greater than three." $4 > 3$ means both that the number 4 is greater than the number 3 and that the number 3 is less than the number 4.

Fill in the blanks with the correct symbol $<$, $>$, or $=$.

1. The value of the digit 3 in the number 43 is _____ the value of the digit 3 in the number 34.
2. The value of the digit 9 in the number 190 is _____ the value of the digit 9 in the number 901?
3. The value of the digit 1 in the number 123 is _____ the value of the digit 1 in the number 301.
4. The value of the digit 5 in the number 500 is _____ the value of the digit 5 in the number 599.
5. The value of the digit 7 in the number 178 is _____ the value of the digit 7 in the number 817.

Name: _____

How Many Times?

Fill in each blank with the correct number:

6. The value of the digit 3 in the number 34 is _____ times the value of the digit 3 in the number 43.
7. The value of the digit 9 in the number 901 is _____ times the value of the digit 9 in the number 109.
8. The value of the digit 1 in the number 123 is _____ times the value of the digit 1 in the number 301.
9. The value of the digit 7 in the number 178 is _____ times the value of the digit 7 in the number 817.
10. The value of the digit 1 in the number 1,045 is _____ times the value of the digit 1 in the number 4,015.
11. The value of the digit 2 in the number 2,111 is _____ times the value of the digit 2 in the number 1,211.
12. The value of the digit 8 in the number 8,001 is _____ times the value of the digit 8 in the number 1,008.