

Lesson 2.4 Greater Than, Less Than, or Equal To

Inequalities are statements in which the numbers are not equal.

Compare
35 and 42.

$$\underline{35} < \underline{42}$$

Compare the values.
Look at the tens.
3 tens is less than 4 tens.
35 is less than 42.
This is an inequality.

< means "is less than."
> means "is greater than."
= means "is equal to."

Compare
112 and 110.

$$\underline{112} > \underline{110}$$

Compare the values.
Since the hundreds and tens are equal, look at the ones.
112 is greater than 110.
This is an inequality.

Compare 55 to 55.

$$\underline{55} = \underline{55}$$

These numbers are equal,
so this is not an inequality.

Compare each pair of numbers. Write >, <, or =.

- | | a | b | c |
|-----------|---------------------|-------------------------|-------------------------|
| 1. | 105 ___ 120 | 52 ___ 35 | 10,362 ___ 10,562 |
| 2. | 5,002 ___ 2,113 | 713 ___ 731 | 12,317 ___ 11,713 |
| 3. | 115,000 ___ 105,000 | 23 ___ 32 | 142 ___ 142 |
| 4. | 310 ___ 290 | 715 ___ 725 | 1,132,700 ___ 1,032,700 |
| 5. | 616 ___ 106 | 119,000 ___ 120,000 | 48,112 ___ 48,212 |
| 6. | 823 ___ 821 | 2,003,461 ___ 2,004,461 | 7,903 ___ 9,309 |
| 7. | 30 ___ 25 | 47,999 ___ 45,999 | 19,900 ___ 19,090 |
| 8. | 111 ___ 111 | 386,712 ___ 386,711 | 615 ___ 614 |