Understanding Operators

Understanding mathematical operators is necessary when conducting database searches and sorts and applying filters and queries. When instructed to locate information in a database with phrases such as shorter than, taller than, older than etc, you will need to translate the phrase into words that the database understands.

In this activity, you will demonstrate your skill at determining what operator to use by matching the mathematical symbol with the words or phrases below.

**Directions for Part I:** Match the symbols with their meanings

|  |  |  |
| --- | --- | --- |
|  | 1. Less Than
 | 1. <>
 |
|  | 1. Greater Than
 | 1. <=
 |
|  | 1. Equal To
 | 1. >=
 |
|  | 1. Less Than or Equal To
 | 1. =
 |
|  | 1. Greater Than or Equal To
 | 1. <
 |
|  | 1. Not Equal To
 | 1. >
 |

**Directions for Part II:** Record notes on each of the terms below as you work through this and the next activity.

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Filter |  |
| Filter by selection |  |
| Filter/Advanced Filter Sort |  |
| Sort |  |
| Criteria |  |

**Directions for Part III:** Write the correct statement that would find data that meets the conditions of each criterion.

**Example: Criteria: At most 36 Answer: <=36**

|  |  |
| --- | --- |
| **Criteria** | **Statement** |
| 1. No more than 5
 |  |
| 1. After 1950
 |  |
| 1. Before 1920
 |  |
| 1. Older than 18
 |  |
| 1. Lower than 100
 |  |
| 1. Taller than 6 feet
 |  |
| 1. Students except Juniors
 |  |
| 1. 100 or more
 |  |
| 1. 100 or less
 |  |
| 1. More than 2000
 |  |
| 1. Under 32
 |  |
| 1. Over 75
 |  |
| 1. Smaller than 3
 |  |
| 1. Shorter than 23
 |  |
| 1. Not lower than 30
 |  |
| 1. Younger than 50
 |  |
| 1. At most 63
 |  |
| 1. Population growth of 1.9%
 |  |
| 1. Since 1941
 |  |
| 1. All students except freshmen
 |  |