

Equal To & Not Equal To

Boolean operators are operators that return a boolean value (true or false).

Equal To

Java uses the `==` operator to determine equality. Beginners often confuse the `=` and the `==` operators. Remember, `=` is the assignment operator.

```
int a = 5;  
int b = 5;  
System.out.println(a == b);
```

TRY IT

What happens if you:

- Change `b` to `1`?
- Change `a` to `boolean a = true;` and `b` to `boolean b = false;`?

TRY IT

Not Equal To

The `!=` operator checks to see if two values are not equal.

```
int a = 5;  
int b = 5;  
System.out.println(a != b);
```

TRY IT

What happens if you:

- Change `b` to `1`?
- Change `a` to `boolean a = true;` and `b` to `1`?
- Change `b` to `boolean b = false;`?

TRY IT

Equality

Enter the appropriate operator for each definition.

This operator checks if two values are equal - `true ==`

This operator assigns a value to a variable - `==`

This operator checks if two values are not equal - `false !=`

- The `=` operator assigns a value to a variable
- The `==` operator checks equality between two values
- The `!=` operator checks inequality between two values