|  |  |  |
| --- | --- | --- |
| Original expression | Order | Final value |
| 5 > 4 && false | ‘>’ first then ‘&&’ | false |
| true && 5 \* 2 > 3 + 3 \* 2 | Both ‘\*’ then ‘+’ then ‘>’ then ‘&&’: true && 10 > 3 + 6 true && 10 > 9  True && true | true |
| true && 5 \* 2 > (3 + 3) \* 2 | (3+3) first because of () then both ‘\*’ then ‘>’ then &&:  True && 5\*2 > 6 \* 2  True && 10 > 12  True && false | false |
|  |  |  |
| true && true || false | ‘&&’ then ‘||’ | True |
| true && (true || false) | ( || ) first then && | True |
| false && false || true | ‘&&’ then ‘||’ | True |
| false && (false || true) | ( || ) first then && | False |
| (false && false) && false && (true || false) || false | () first, then &&, then ||:  (false) && false && (true) || false | false |
|  |  |  |
| 4 == "4" | Type conversion of string to number, then ‘==’ | True |
| 4 == "4" || 4 == 4 | Type conversion of string to number, then both ‘==’, then || | true |
| 10 % 3 == 10.0 % 3 | Both ‘%’ then ‘==’ |  |
| 10 \* (5 / 2.0) == 10.0 \* (5 / 2) | All () first, then ‘\*’ then ‘==’:  10\* (2.5) == 10\*(2.5)  25 == 25 | True |
| 10 \* 5 / 2 > 10 \* (5 / 2) | () first then \* then ‘/’ outside () then ‘>’:  10\*5/2 > 10\*(2.5) 50/2> 25  25 > 25 | false |
| 2 \* 2 \*\* 3 == (2 \* 2) \*\* 3 | () then both \*\* then \* then ==:  2\*2\*\*3 == (4)\*\*3 2\*8 == 64  16 ==64 | false |
| (10 - 4) < +6 || -(2 \* -4) > 0 | () then unary operators then ‘<’ and ‘>’ comparisons than ||:  (6) < +6 || -(-8)> 0  6 < 6 || 8 > 0  False || true | true |