Order of Precedence for C++ Operators

From greatest to smallest priority, C++ operators are evaluated in the following order:

Level	Precedence group	Operator	Description	Grouping
1	Scope	::	scope qualifier	Left-to- right
2	Postfix (unary)	++	postfix increment / decrement	Left-to- right
		()	functional forms	
		[]	subscript	
		>	member access	
3	Prefix (unary)	++	prefix increment / decrement	Right-to- left
		~!	bitwise NOT / logical NOT	
		+ -	unary prefix	
		& *	reference / dereference	
		new delete	allocation / deallocation	
		sizeof	parameter pack	
		(type)	C-style type-casting	
4	Pointer-to-member	.* ->*	access pointer	Left-to- right
5	Arithmetic: scaling	* / %	multiply, divide, modulo	Left-to- right
6	Arithmetic: addition	+ -	addition, subtraction	Left-to- right
7	Bitwise shift	<< >>	shift left, shift right	Left-to- right
8	Relational	< > <= >=	comparison operators	Left-to- right
9	Equality	== !=	equality / inequality	Left-to- right
10	And	&	bitwise AND	Left-to- right
11	Exclusive or	^	bitwise XOR	Left-to- right
12	Inclusive or		bitwise OR	Left-to- right
13	Conjunction	&&	logical AND	Left-to- right
14	Disjunction		logical OR	Left-to- right
15	Assignment-level expressions	= *= /= %= += = >>= <<= &= ^= =	assignment / compound assignment	Right-to- left
		?:	conditional operator	
16	Sequencing	,	comma separator	Left-to- right