

## New Year Puzzle

Your goal is to form expressions for all the positive integers from 1 to 99 using in order the four digits of the new year and the operations addition, subtraction, division, multiplication, square root, exponentiation, factorial, and the greatest integer function. Parentheses may also be used.

1 = _____	50 = _____
2 = _____	51 = _____
3 = _____	52 = _____
4 = _____	53 = _____
5 = _____	54 = _____
6 = _____	55 = _____
7 = _____	56 = _____
8 = _____	57 = _____
9 = _____	58 = _____
10 = _____	59 = _____
11 = _____	60 = _____
12 = _____	61 = _____
13 = _____	62 = _____
14 = _____	63 = _____
15 = _____	64 = _____
16 = _____	65 = _____
17 = _____	66 = _____
18 = _____	67 = _____
19 = _____	68 = _____
20 = _____	69 = _____
21 = _____	70 = _____
22 = _____	71 = _____
23 = _____	72 = _____
24 = _____	73 = _____
25 = _____	74 = _____
26 = _____	75 = _____
27 = _____	76 = _____
28 = _____	77 = _____
29 = _____	78 = _____
30 = _____	79 = _____
31 = _____	80 = _____
32 = _____	81 = _____
33 = _____	82 = _____
34 = _____	83 = _____
35 = _____	84 = _____
36 = _____	85 = _____
37 = _____	86 = _____
38 = _____	87 = _____
39 = _____	88 = _____
40 = _____	89 = _____
41 = _____	90 = _____
42 = _____	91 = _____
43 = _____	92 = _____
44 = _____	93 = _____
45 = _____	94 = _____
46 = _____	95 = _____
47 = _____	96 = _____
48 = _____	97 = _____
49 = _____	98 = _____
	99 = _____