



Closing Date: 3rd July

TASK: Making numbers 1-100 using only the numbers 3, 7, 2 and 0

Use ALL the digits in the date 3-7-20 (you may not use any other numbers except 3, 7, 2, and 0) to write mathematical expressions that give results for the numbers 1 to 100. You may use the arithmetic operations +, -, x, ÷, √, and ! (see below). Indices or exponents may only be made from the digits 3, 7, 2, and 0, for example $(7 + 3)^2$ is allowed; it has used the 7, 3 and 2. Multi-digit numbers and decimal points can be used such as 20, 302, .02 but you CANNOT make 50 by combining $(2+3)0$.

Recurring decimals can be used using the overhead dots or bar. Factorials are allowed Here's how you might use factorials: $n! = n * (n - 1) * (n - 2) * \dots * 2 * 1$

For example $(7 - 2 - 3)! = 2! = 2 \times 1 = 2$. $0! = 1$

Judged on:

"accuracy, innovation"

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