## $\pi$ day 2021 digit puzzle (basic operations)

Make the year 2021 using the first digits of  $\pi$  (including 3) exactly once, in order, together with the following operations (in addition to parentheses):

- Standard operations:  $+, -, \times, \div$
- Concatenation (that is, "glueing" digits together) note that you can only glue the original digits together, so using 3, 1, and 4 you can make 31, 14, or 314, but you cannot make 24 by taking 3-1=2 then glueing the 4 after

Your goal is to use as few digits of  $\pi$  as possible.

For example,

$$2021 = (3+1+4+1) \times (59+2+6+5+3\times5) +89 \times (79-32-3\times8) - 4 \times 6 \times 2 \times (6+4) -3 \times 3 \times 8 \times 3 - 2 \times 7 \times 9 + 5 + 0 \times 2 \times 8 + 8$$

This uses 36 digits. This is, of course, not optimal. How few digits can you use?