

SEVENS CHALLENGE

Using exactly four sevens, add arithmetical symbols between the sevens to make each of the target numbers. You may use plus, minus, times, and divide symbols, as well as parentheses and brackets for grouping.

$$7 \quad 7 \quad 7 \quad 7 \quad = \quad 3$$

$$7 \quad 7 \quad 7 \quad 7 \quad = \quad 8$$

$$7 \quad 7 \quad 7 \quad 7 \quad = \quad 13$$

$$7 \quad 7 \quad 7 \quad 7 \quad = \quad 15$$

$$7 \quad 7 \quad 7 \quad 7 \quad = \quad 48$$

$$7 \quad 7 \quad 7 \quad 7 \quad = \quad 49$$

$$7 \quad 7 \quad 7 \quad 7 \quad = \quad 56$$

$$7 \quad 7 \quad 7 \quad 7 \quad = \quad 105$$