Scratch 30

Try new 4 one-digit numbers : _____

- Use 2, 3, or 4 of these numbers with any operations to find an answer of 1-30.

- You cannot use a number more than once per expression.

- The numbers chosen from your 4 digit number do not need to be used in order.

- You cannot use an operation (+, -, x, ÷) more than once per expression.

- **Goal:** To eliminate all 30 numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

Example: 5   8   2   7

$8 - 5 + 7 \div 2 = 5$ → cross off 5 $7 + 5 - 8 \div 2 = 2$ → cross off 2

$8 - 7 = 1$ → cross off 1 $8 \times 7 \div 2 = 28$ → cross off 28

$2 \times 7 - 5 = 11$ → cross off 11 $5 \times 2 + 7 = 17$ → cross off 17

$7 \times 2 + 8 = 22$ → cross off 22 $5 \times 2 + 8 = 18$ → cross off 18

Continue until you cross out all 30 numbers or until you cannot go any further.

~~1~~	~~2~~	3	4	~~5~~	6	7	8	9	10
~~11~~	12	13	14	15	16	~~17~~	~~18~~	19	20
21	~~22~~	23	24	25	26	27	~~28~~	29	30