

1, 2, 3, 4

Using the digits 1, 2, 3 and 4 and +, -, x and ÷ symbols make the numbers from 1 to 20.

EACH OF THE NUMBERS MUST BE USED EVERY TIME!

Here are my findings – your answers might be different, there are many different ways to solve this problem 😊

1	$(2+3) - (4 \times 1)$
2	$(2+3+1) - 4$
3	$(4-3) + (2 \times 1)$
4	$(4+3) - (2+1)$
5	$(2 \times 4) - (1 \times 3)$
6	$(3 \times 4) \div (1 \times 2)$
7	$3 \times (4-1) - 2$
8	$(2+3+4) - 1$
9	$(2+3+4) \times 1$
10	$1 + 2 + 3 + 4$
11	$(2 \times 4) + (1 \times 3)$
12	$(4 \times 3) \div (2-1)$
13	$(4 \times 3) + (2-1)$
14	$(3 \times 4) + (2 \times 1)$
15	$(3 \times 4) + 2 + 1$
16	$(3+4+1) \times 2$
17	$3 \times (2+4) - 1$
18	$4 \times (3+1) + 2$
19	$4 \times (2+3) - 1$
20	$(2+3) \times (1 \times 4)$

Extra Challenge

21	$(1+4+2) \times 3$
22	$2 \times (3 \times 4 - 1)$
23	$(2 \times 3 \times 4) - 1$
24	$(3+2+1) \times 4$
25	$(2+3) \times (1+4)$
26	$(3 \times 4 + 1) \times 2$