

FUN MATH

How to get a number 100!

From the numbers 1, 2, 3, 4, 5, 6, 7, 8, and 9 it is possible to get a total 100 like this::

$$1 + 2 + 34 - 5 + 67 - 8 + 9 = 100$$

$$12 + 3 - 4 + 5 + 67 + 8 + 9 = 100$$

$$123 - 4 - 5 - 6 - 7 + 8 - 9 = 100$$

$$123 + 4 - 5 + 67 - 89 = 100$$

$$123 + 45 - 67 + 8 - 9 = 100$$

$$123 - 45 - 67 + 89 = 100$$

$$12 - 3 - 4 + 5 - 6 + 7 + 89 = 100$$

$$12 + 3 + 4 + 5 - 6 - 7 + 89 = 100$$

$$1 + 23 - 4 + 5 + 6 + 78 - 9 = 100$$

$$1 + 23 - 4 + 56 + 7 + 8 + 9 = 100$$

$$1 + 2 + 3 - 4 + 5 + 6 + 78 + 9 = 100$$

If we rank them from largest to smallest we get 15 more ways:

$$98 - 76 + 54 + 3 + 21 = 100$$

$$9 - 8 + 76 + 54 - 32 + 1 = 100$$

$$98 + 7 + 6 - 5 - 4 - 3 + 2 - 1 = 100$$

$$98 - 7 - 6 - 5 - 4 + 3 + 21 = 100$$

$$9 - 8 + 76 - 5 + 4 + 3 + 21 = 100$$

$$98 - 7 + 6 + 5 + 4 - 3 - 2 - 1 = 100$$

$$98 + 7 - 6 + 5 - 4 + 3 - 2 - 1 = 100$$

$$98 + 7 - 6 + 5 - 4 - 3 + 2 + 1 = 100$$

$$98 - 7 + 6 + 5 - 4 + 3 - 2 + 1 = 100$$

$$98 - 7 + 6 - 5 + 4 + 3 + 2 - 1 = 100$$

$$98 + 7 - 6 - 5 + 4 + 3 - 2 - 1 = 100$$

$$98 - 7 - 6 + 5 + 4 + 3 + 2 + 1 = 100$$

$$9 + 8 + 76 + 5 + 4 - 3 + 2 - 1 = 100$$

$$9 + 8 + 76 + 5 - 4 + 3 + 2 + 1 = 100$$

$$9 - 8 + 7 + 65 - 4 + 32 - 1 = 100$$