

All the digits 2/3 Snirby 14/2/24

Trial & Error

consecutive numbers:

4 5 6 ✓
 5 6 7 over 9
 7 8 9 over 9

9 = end (smaller)

~~4 5 6~~, ~~4 6 5~~
~~5 4 6~~, ~~5 6 4~~
~~6 4 5~~, ~~6 5 4~~

ANSWER!

5 6 9 4
 x
 3
1 7 0 8 2

First, we wrote down all the consecutive number groups of 3 that do not contain the digit 3. We concluded that 4, 5, 6 was the correct set to use as the other options' first two digits' sums were over 9. $4+5=9$, which is the digit we used. We then wrote lists to keep track of our answers whilst we tried possibilities on a calculator. We finally trialed a possible answer and tested it against the criteria to get our final answer.

4² 5² 9	
x	3
7 0 7	
4 5 9 6	
x	3
8 8	
4 9 5 6	
x	3
1 7 0 8 2	
2 2 1	
5 6 9 4	
x	3
<u>1 7 0 8 2</u>	