

STICKY NUMBERS

Look at the following row of numbers:

10 15 21 4 5

They are arranged so that each pair of adjacent numbers adds up to a square number:

$$10 + 15 = 25 \quad 15 + 21 = 36 \quad 21 + 4 = 25 \quad 4 + 5 = 9$$

Can you arrange the numbers 1 to 17 in a row in the same way, so that each adjacent pair adds up to a square number?

Can you arrange them in more than one way? If not, can you justify that your solution is unique?