



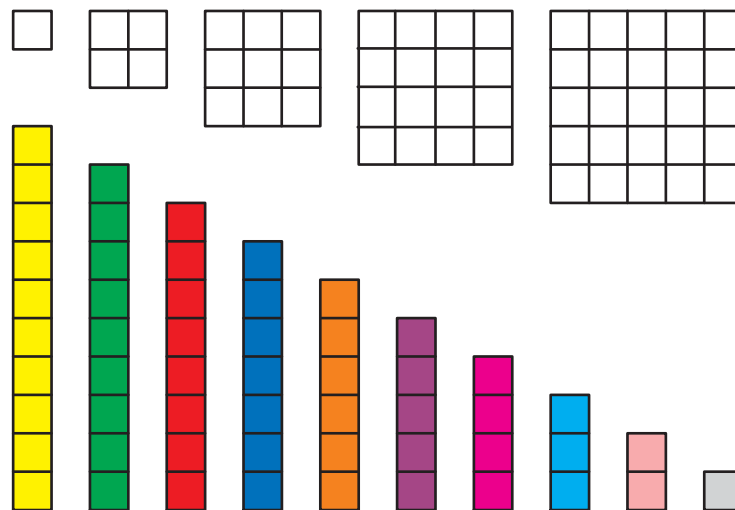
This brainteaser was written by Derrick Niederman.

The sum of the first five square numbers and the sum of the first 10 positive integers both equal 55. That is,

$$1^2 + 2^2 + 3^2 + 4^2 + 5^2 = 55,$$

$$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55.$$

Can you find a non-overlapping arrangement of five squares with side lengths 1 through 5 such that the diagram can be completely covered by rectangular strips measuring 1×1 , 1×2 , 1×3 , ..., 1×9 , 1×10 ? (There are many ways to accomplish this. You only need to find one.)





Solution: Many different arrangements are possible.

As mentioned, there is more than one way to solve this puzzle, but two solutions are shown below.

