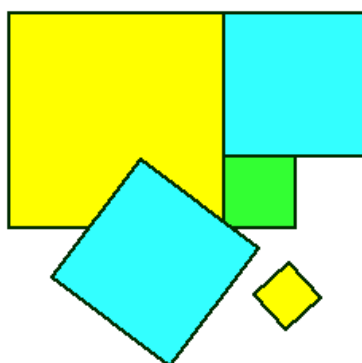


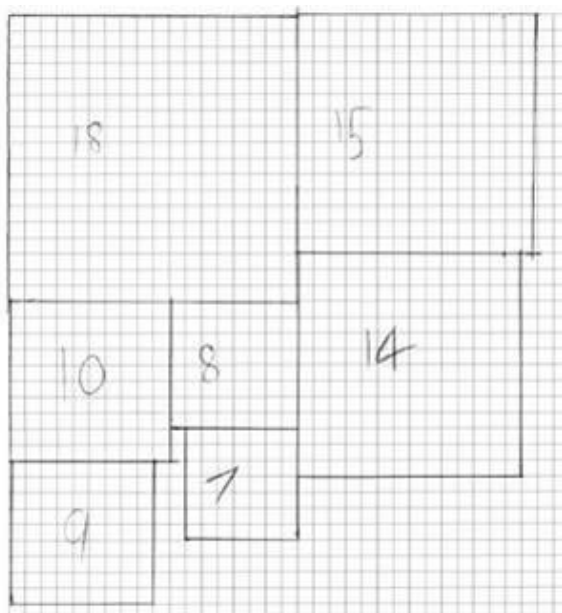


Nine squares with side lengths 1, 4, 7, 8, 9, 10, 14, 15 and 18 cm can be fitted together with no gaps and no overlaps, to form a rectangle.

What are the dimensions of the rectangle?



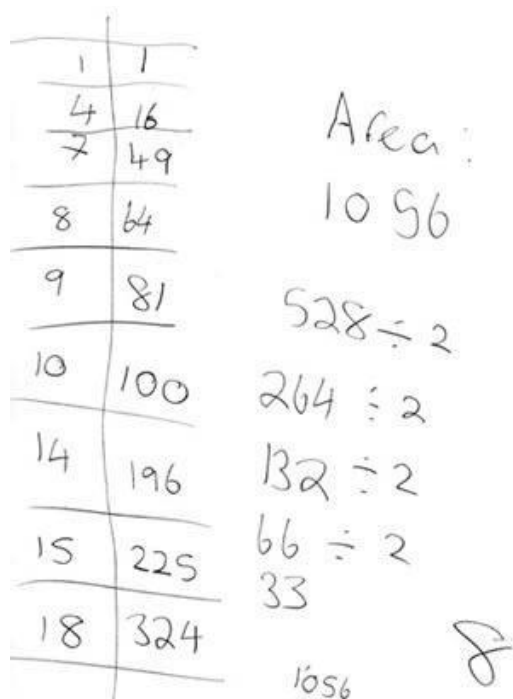
This is how Anna started:



Here is what Brendan tried:



Here is Chandra's initial approach to the problem:



Can you take each of these starting ideas and develop them into a solution?