Treasure Hunt Assignment (Nrich Live Problem)

The treasure has been hidden somewhere where the grid lines intersect (cross).

Input coordinates to help find the treasure with the fewest guesses. The interactivity https://nrich.maths.org/problems/treasure-hunt?tab=overview

gives you the shortest distance you'd have to travel (along the grid lines) to reach the treasure.

1. Can you find a reliable strategy for choosing coordinates that will locate the treasure in the minimum number of guesses? the strategy is a technique called the rhombus technique in which you guess a number (recommended to be on the edge or corner) and then you have to span out the questions to that amount of squares away like(5 square by 5 squares) so then you guess another number on the rhombus and it will show a number so then you there will be 1 or 2 overlapping coordinates and you will try both of them
   the reason I would try on the corner or edge is because then the rhombus will have lesser dots to guess through being more convenient.
2. How do you know that your strategy will always work?It will work as I have
3. played multiple tries of treasure hunt and it has worked successfully.
   And there are usually no more than 3 common squares which eventually do get narrowed down to the final 1 and always in under 4 moves and in very rare cases
4. Can you explain your strategy for Level 2 now? Is it the same or different Level 1?
   The strategy is the same for level 2 except for the fact the board is bigger since there are negative coordinates too like -2,-4 etc.