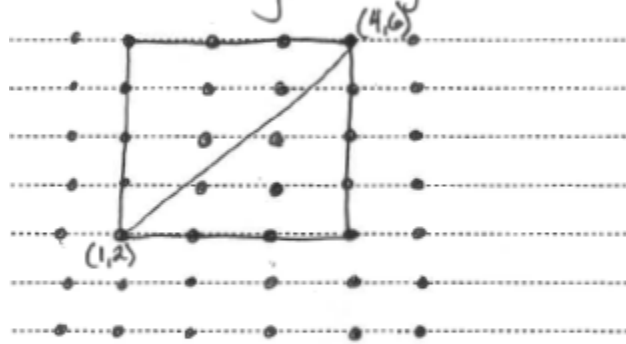


Jenny is creating a string design on a ~~peg~~^{grid} board. She would like to create the following design:



How much string would she need to reach from the point (1,2) to (4,6) if the grid points are 1 cm apart?