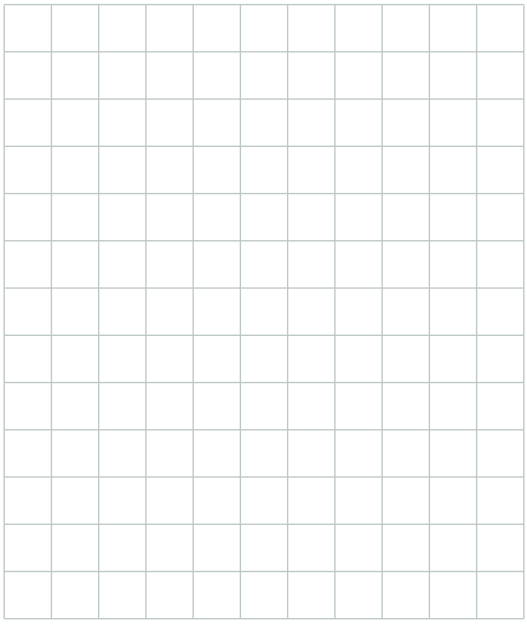
Draw Knots on Graph Paper

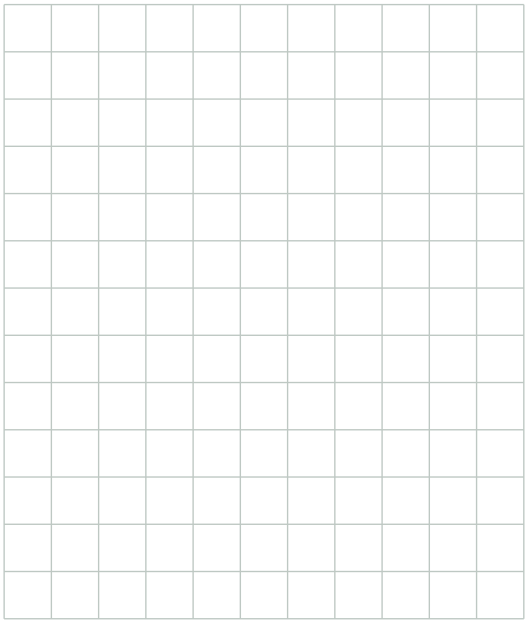
Student | Task 1 of 4 | LETTER

Original prompt

Task 1: Draw a simple closed loop on grid paper with no self-crossing, then add one crossing by looping the strand over itself once. Show the over-under clearly.



First loop



Second loop

Record your crossing check

Draw Knots on Graph Paper

Student | Task 2 of 4 | LETTER

Original prompt

Task 2: Draw a figure-eight loop on grid paper with two crossings. Alternate the over-under so the strand goes over at the first crossing and under at the second.



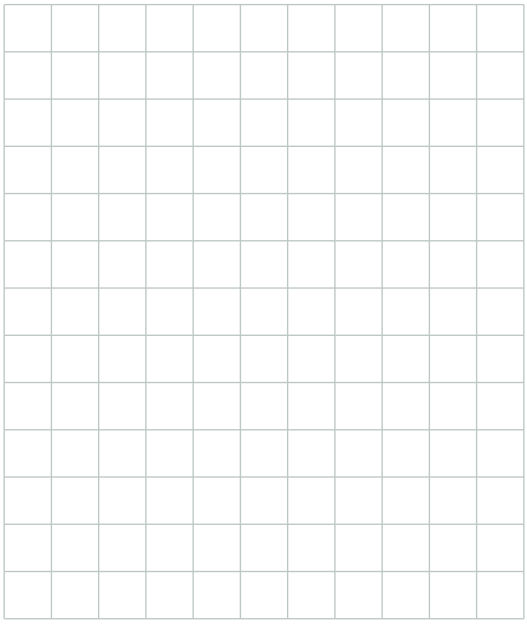
Record your crossing check

Draw Knots on Graph Paper

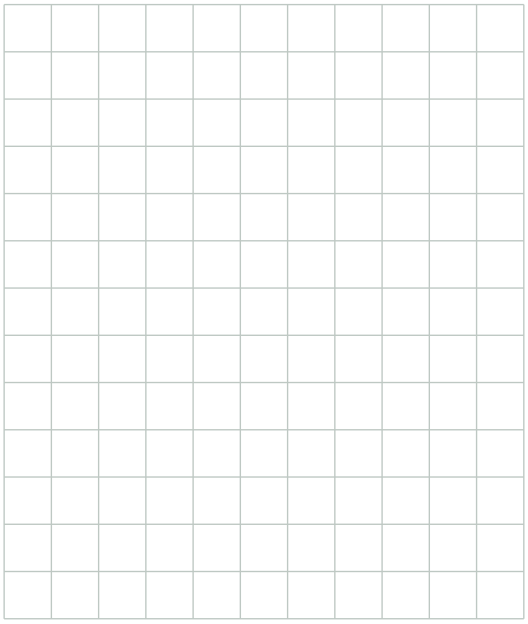
Student | Task 3 of 4 | LETTER

Original prompt

Task 3: Draw a loop with one twist on grid paper, then redraw the same loop shifted one grid square to the right. Keep the over-under pattern identical in both.



Original position



One square right

Record your crossing check

Draw Knots on Graph Paper

Student | Task 4 of 4 | LETTER

Original prompt

Task 4: Draw a closed loop on grid paper with three crossings. At each crossing, mark which strand is on top, then check that no crossing has two unbroken strands or two gapped strands.



Record your crossing check