Hangul Diamond-Grid Stroke Placement Sheet: Convention, Practice, and Checks

Original tasks 1, 2, 3 / complete keys

Task 1

A square diamond has both diagonals 24 mm. Draw ㄱ in its centered 12 mm inner square. State the distance from the top corner to the cell center and list the two strokes in order.

Answer: The center is 12 mm from the top corner. Inside the upright 12 mm square, draw the top horizontal from (0,0) to (12,0), then the right vertical from (12,0) to (12,12).

Reason: The center of the diamond bisects its 24 mm vertical diagonal. The square guide is centered and has a 12 mm side; ㄱ uses one horizontal and one downward vertical stroke.

Check: Measure 12 mm from the top corner to the center. Confirm the inner square is 12 mm on each side and the two strokes are page-horizontal then page-vertical.

Task 2

A square diamond has 20 mm vertical and horizontal diagonals. Draw ㄴ in the centered inner square. Give the inner-square side length and stroke order.

Answer: The center is 10 mm from the top corner and the centered inner square is 10 mm on each side. Draw the left vertical from the upper-left to lower-left corner, then draw the bottom horizontal from the lower-left to lower-right corner.

Reason: The inner-square side is half the diagonal in this square-diamond convention: 20/2=10 mm. ㄴ is placed with a vertical stroke followed by a horizontal stroke.

Check: Measure the center at 10 mm from the top. Check the square is 10 mm by 10 mm and the vertical stroke precedes the horizontal stroke.

Task 3

A square diamond has 16 mm diagonals. Draw ㅏ in its centered inner square, using coordinates measured from the upper-left corner of that box.

Answer: The inner square is 8 mm on each side. Draw the main vertical from (4,0) to (4,8), then draw the short horizontal from (4,4) to (8,4).

Reason: The center is 8 mm from the diamond’ s top, and half of the 8 mm inner-square width is 4 mm. The short mark begins at the vertical midpoint and extends to the right.

Check: Check the vertical is at x=4 mm, the short mark is at y=4 mm, and both strokes are aligned with the page axes.

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Original tasks 4 / complete keys

Task 4

Two square diamonds with 24 mm diagonals touch at their side corners. Draw ㅗ in the right cell and state the horizontal center-to-center spacing.

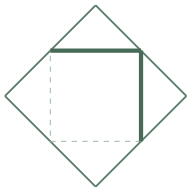
Answer: The centers are 24 mm apart horizontally. In the right cell’ s 12 mm inner square, draw a horizontal stroke from (0,6) to (12,6), then draw a vertical stroke downward from (6,0) to (6,6).

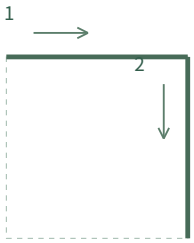
Reason: The center-to-center spacing equals one full horizontal diagonal when adjacent diamond side corners touch. The ㅗ example uses a horizontal bar and a vertical stroke descending from the top edge to meet the horizontal bar at its midpoint.

Check: Measure between cell centers and confirm 24 mm. Verify the two strokes in the right cell remain page-horizontal and page-vertical and meet at (6,6).

Given square-diamond diagonals: 24 mm / target ㄱ

Coordinates run rightward and DOWN from the inner box upper-left corner.





Enlarged 2:1 detail / source box side 12 mm

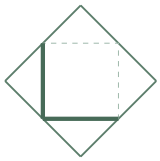
Selected teaching segments: 1: (0, 0) to (12.0, 0); 2: (12.0, 0) to (12.0, 12.0).

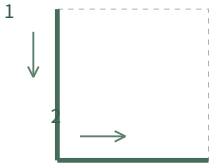
Actual-size cells above: inner side 12 mm; top corner to center 12 mm.

These are the lesson's two-part coordinate teaching convention, not a claim that every Korean handwriting method lifts the pen between the same parts.

Given square-diamond diagonals: 20 mm / target ㄴ

Coordinates run rightward and DOWN from the inner box upper-left corner.





Enlarged 2:1 detail / source box side 10 mm

Selected teaching segments: 1: (0, 0) to (0, 10.0); 2: (0, 10.0) to (10.0, 10.0).

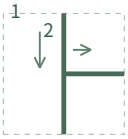
Actual-size cells above: inner side 10 mm; top corner to center 10 mm.

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Given square-diamond diagonals: 16 mm / target ㅏ

Coordinates run rightward and DOWN from the inner box upper-left corner.





Enlarged 2:1 detail / source box side 8 mm

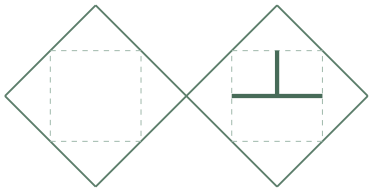
Selected teaching segments: 1: (4.0, 0) to (4.0, 8.0); 2: (4.0, 4.0) to (8.0, 4.0).

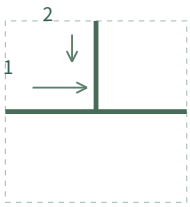
Actual-size cells above: inner side 8 mm; top corner to center 8 mm.

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Given square-diamond diagonals: 24 mm / target ⊥

Coordinates run rightward and DOWN from the inner box upper-left corner.





Enlarged 2:1 detail / source box side 12 mm

Selected teaching segments: 1: (0, 6.0) to (12.0, 6.0); 2: (6.0, 0) to (6.0, 6.0).

Actual-size cells above: inner side 12 mm; top corner to center 12 mm. Two touching cells have center spacing 24 mm.

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Source rubric / reflection

- [ ] Diamond diagonals and their center are marked consistently.
- [ ] The inner guide is upright and fits within the diamond.
- [ ] Jamo strokes follow the page axes and stated stroke order.
- [ ] Placement is checked from cell centers and stroke anchors.
- [ ] Valid jamo shape variation is accepted when the requested strokes and placement remain clear.

Reflection: What did you check, what did you change, and what will you try next?