Sagittarius Drawings: Glyph Strokes and Archer Constellation

Original task 1 / independent drawing and calculation

Task 1

Draw the Sagittarius glyph with a hypothetical x-height of 18 mm. Use an open arrowhead and place the crossbar one third from the tail. Describe your stroke order.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

Plot stars A(1,6), B(3,7), C(5,6), D(4,4), E(2,3), F(6,3), G(7,1) on a 10 by 10 grid. Connect A-B-C, C-D-E, and D-F-G. How many lines touch star D?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Sagittarius Drawings: Glyph Strokes and Archer Constellation

Original task 3 / independent drawing and calculation

Task 3

Scale the constellation coordinates from the lesson by 0.8 and round to whole numbers. List the new coordinates for A(2,7), B(4,8), C(6,7), D(5,5), E(3,4), F(7,4), G(8,2).

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Sagittarius Drawings: Glyph Strokes and Archer Constellation

Original task 4 / independent drawing and calculation

Task 4

Draw a combined page with the glyph in the upper left and the constellation in the lower right. Use a hypothetical margin of 10 mm and a grid of 8 by 8 units. State one check you would use to confirm the zones do not overlap.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

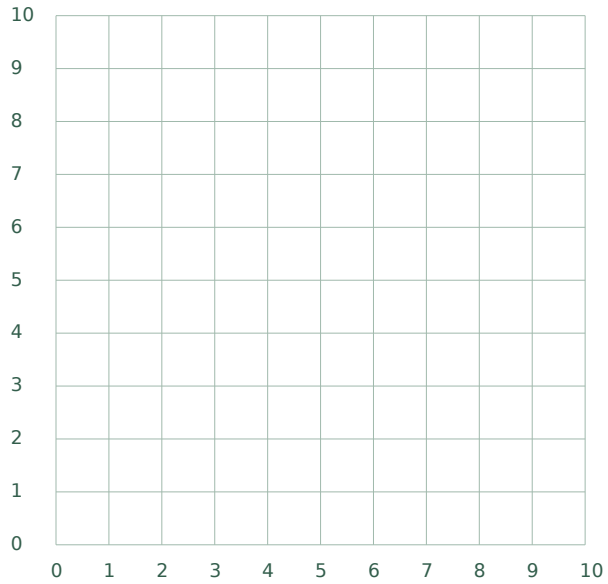
Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.

Chosen Sagittarius glyph and hypothetical classroom coordinate map



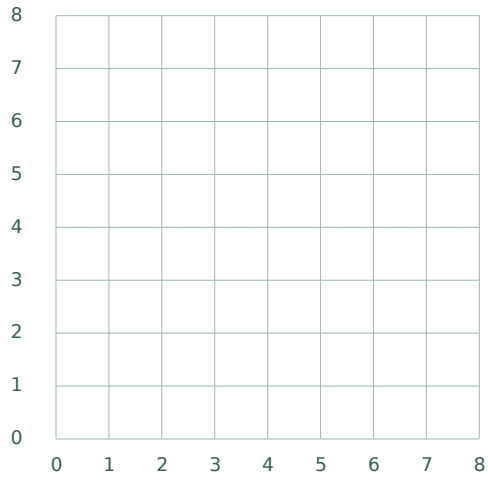
18 mm baseline-to-midline / actual size

Chosen Sagittarius glyph and hypothetical classroom coordinate map



Teaching layout only: these points and lines are not official astronomical star positions. Leave original coordinates and your arithmetic record visible.

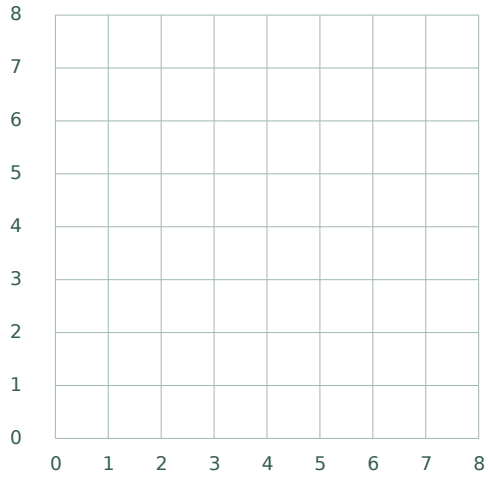
Chosen Sagittarius glyph and hypothetical classroom coordinate map



Teaching layout only: these points and lines are not official astronomical star positions. Leave original coordinates and your arithmetic record visible.

Chosen Sagittarius glyph and hypothetical classroom coordinate map

10 mm separation



Upper-left glyph and lower-right map are separate. The 8 by 8 example uses the rounded 0.8 coordinates. The marked 10 mm gap is printed at actual size.