Airplane Blueprint on Graph Paper: Plot Fuselage, Wing and Tail Outlines

Original task 1 / independent drawing and calculation

Task 1

Plot a wing plan outline with coordinates (2,14), (8,14), (10,12), (8,10), (2,10). Connect the points in order and close the shape. State the root chord length and the tip chord length in squares.

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.

Airplane Blueprint on Graph Paper: Plot Fuselage, Wing and Tail Outlines

Original task 2 / independent drawing and calculation

Task 2

Plot a tail stabilizer outline with coordinates (14,14), (18,14), (19,13), (18,12), (14,12). Connect the points and close the shape. State the span and the root chord in squares.

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.

Airplane Blueprint on Graph Paper: Plot Fuselage, Wing and Tail Outlines

Original task 3 / independent drawing and calculation

Task 3

A fuselage outline uses points (3,7), (11,7), (13,6), (13,5), (11,5), (3,5), (2,6). Plot the outline and check the bottom straight segment length. Then state whether the tail taper is symmetric about y=6.

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.

Airplane Blueprint on Graph Paper: Plot Fuselage, Wing and Tail Outlines

Original task 4 / independent drawing and calculation

Task 4

Plot a wing outline with points (4,16), (10,16), (12,14), (10,12), (4,12). A learner claims the tip chord is 2 squares. Check this claim by counting squares and state the correct tip chord length.

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.

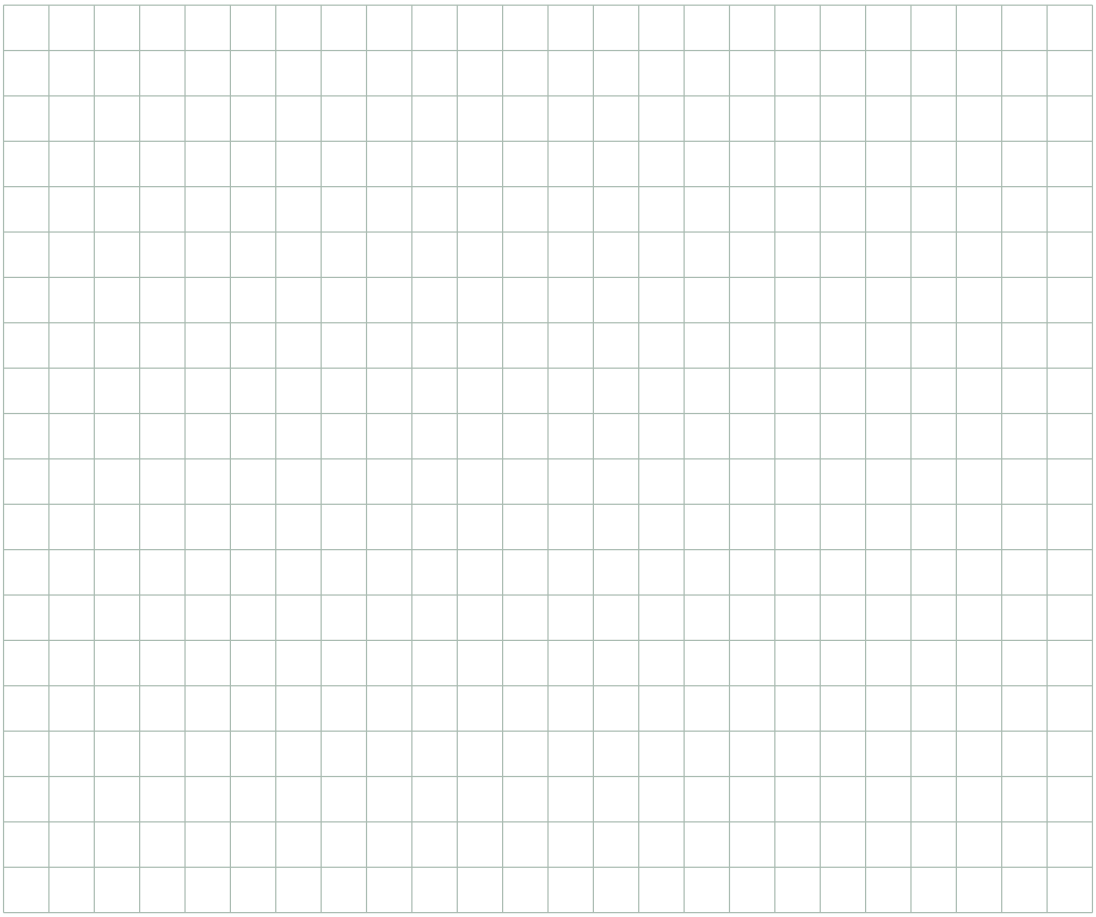
Full drawing sheet / reusable blank workspace

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.

Airplane Blueprint on Graph Paper: Plot Fuselage, Wing and Tail Outlines

Square graph paper for plotting the wing outline

Actual source-bound component. Original question values and separate answer keys remain unchanged.

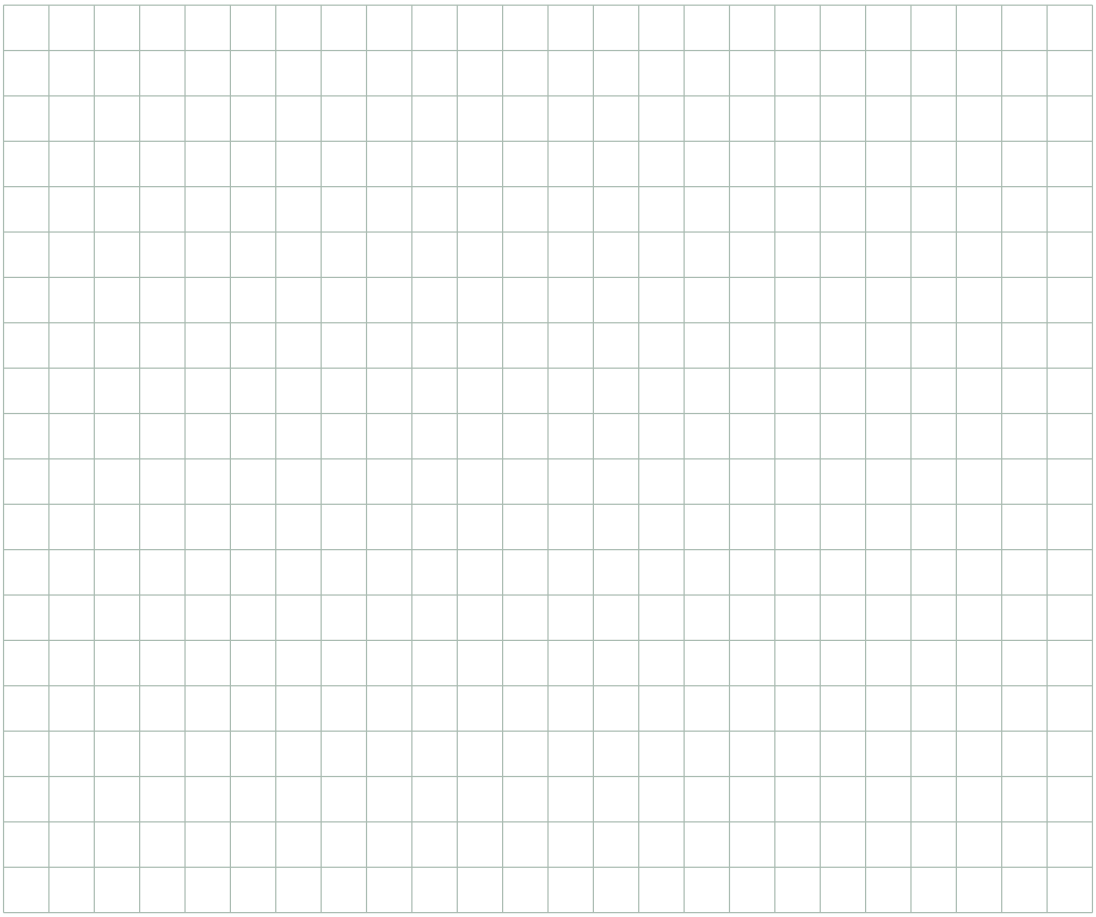


24 columns × 20 rows; 6 mm square cells; actual size at 100% printing.

Airplane Blueprint on Graph Paper: Plot Fuselage, Wing and Tail Outlines

Square grid for plotting the tail stabilizer outline

Actual source-bound component. Original question values and separate answer keys remain unchanged.

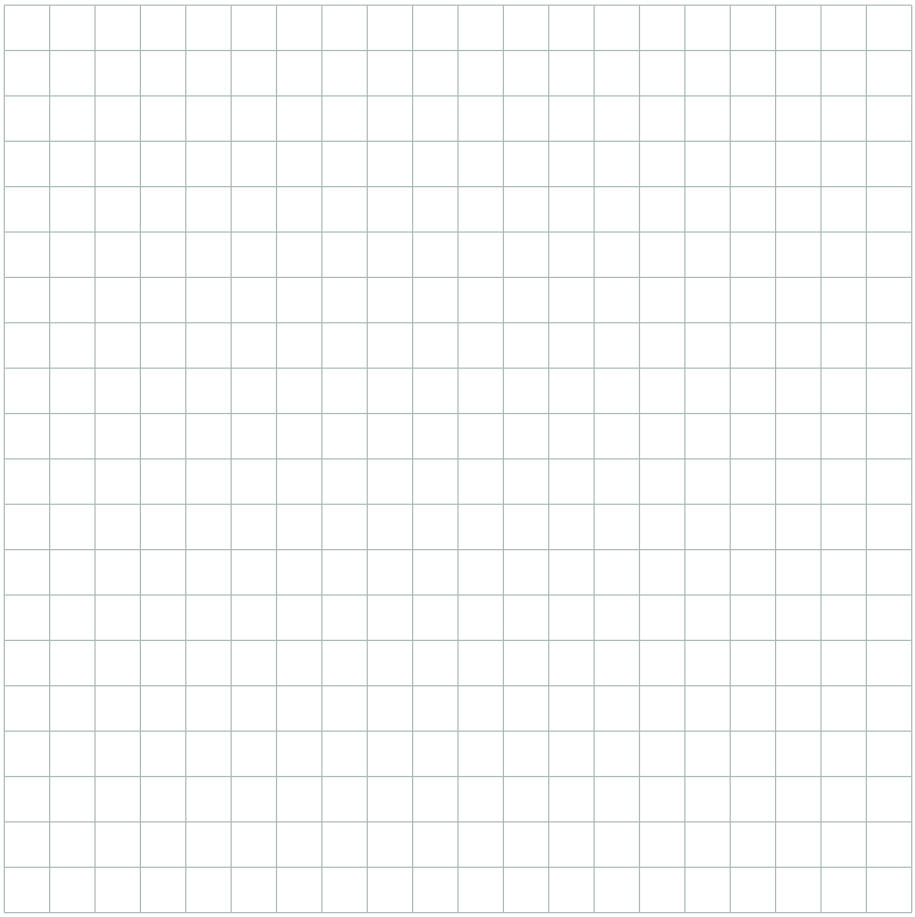


24 columns × 20 rows; 6 mm square cells; actual size at 100% printing.

Airplane Blueprint on Graph Paper: Plot Fuselage, Wing and Tail Outlines

Blank square grid for plotting the fuselage outline

Actual source-bound component. Original question values and separate answer keys remain unchanged.

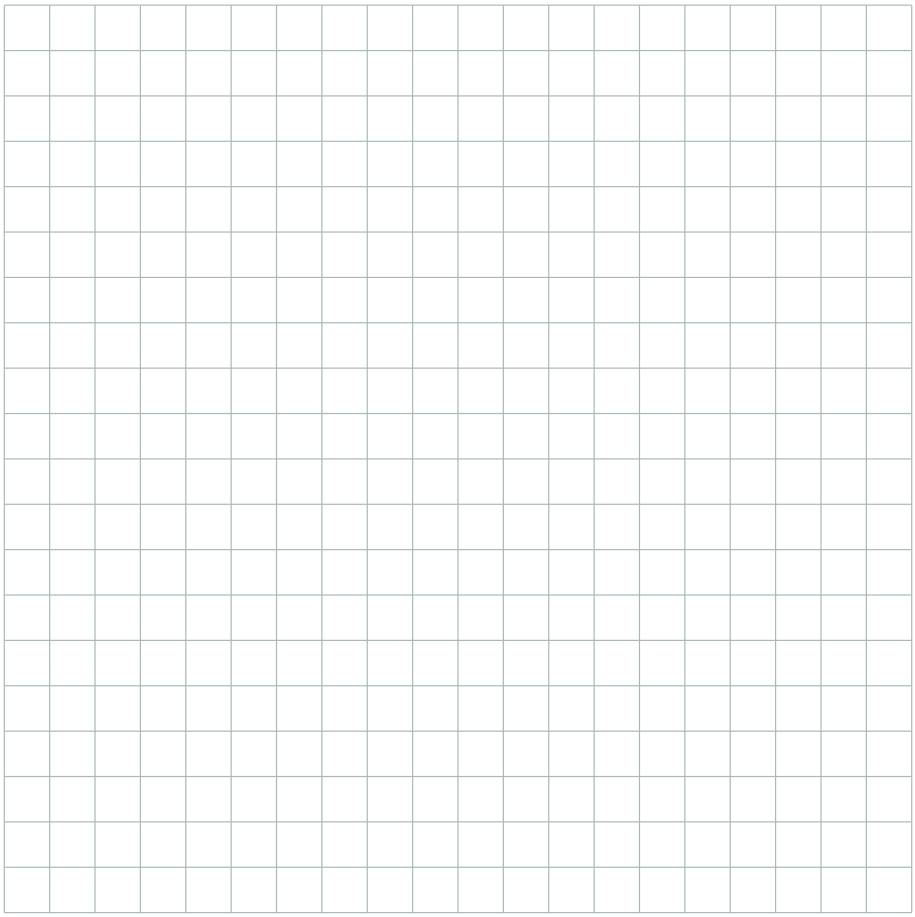


20 columns × 20 rows; 6 mm square cells; actual size at 100% printing.

Airplane Blueprint on Graph Paper: Plot Fuselage, Wing and Tail Outlines

Blank square grid for plotting the wing outline

Actual source-bound component. Original question values and separate answer keys remain unchanged.



20 columns × 20 rows; 6 mm square cells; actual size at 100% printing.