# Super Hornet Orthographic Drawing: Plan and Profile Practice

Original task 1 / independent drawing and calculation

## Task 1

A hypothetical reference gives length 20 m and span 14 m. Your plan panel is 20 cm wide at 1 cm to 1 m. Block the fuselage and wings, then state the target span in centimeters and the target ratio.

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.

# Super Hornet Orthographic Drawing: Plan and Profile Practice

Original task 2 / independent drawing and calculation

## Task 2

In profile view, a hypothetical fuselage length is 16 cm and tail height is 4 cm. Calculate the tail-height-to-length ratio. If your drawn tail height is 3 cm, is it within ten percent of the target?

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.

# Super Hornet Orthographic Drawing: Plan and Profile Practice

Original task 3 / independent drawing and calculation

## Task 3

You draw a plan view with fuselage length 18 cm and span 12 cm. Your reference ratio is 0.72. Calculate your drawn ratio and state whether it is within ten percent of the target.

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.

# Super Hornet Orthographic Drawing: Plan and Profile Practice

Original task 4 / independent drawing and calculation

## Task 4

A plan view shows a wing block sweeping back 5 cm over a horizontal run of 10 cm. Calculate the sweep ratio (horizontal run divided by vertical drop). If you change the horizontal run to 8 cm with the same 5 cm drop, what is the new ratio?

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.

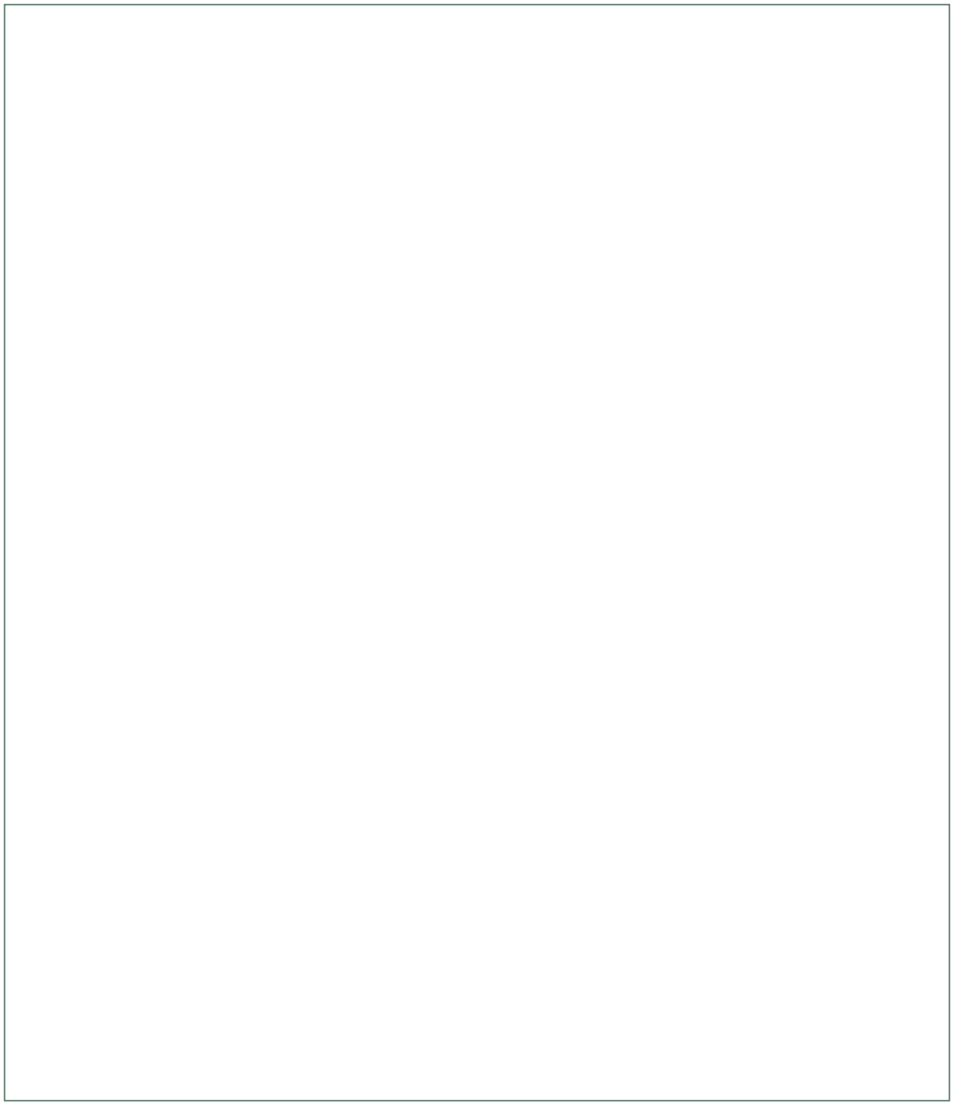
## Full drawing sheet / reusable blank workspace

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.

# Super Hornet Orthographic Drawing: Plan and Profile Practice

Task 1 / practice

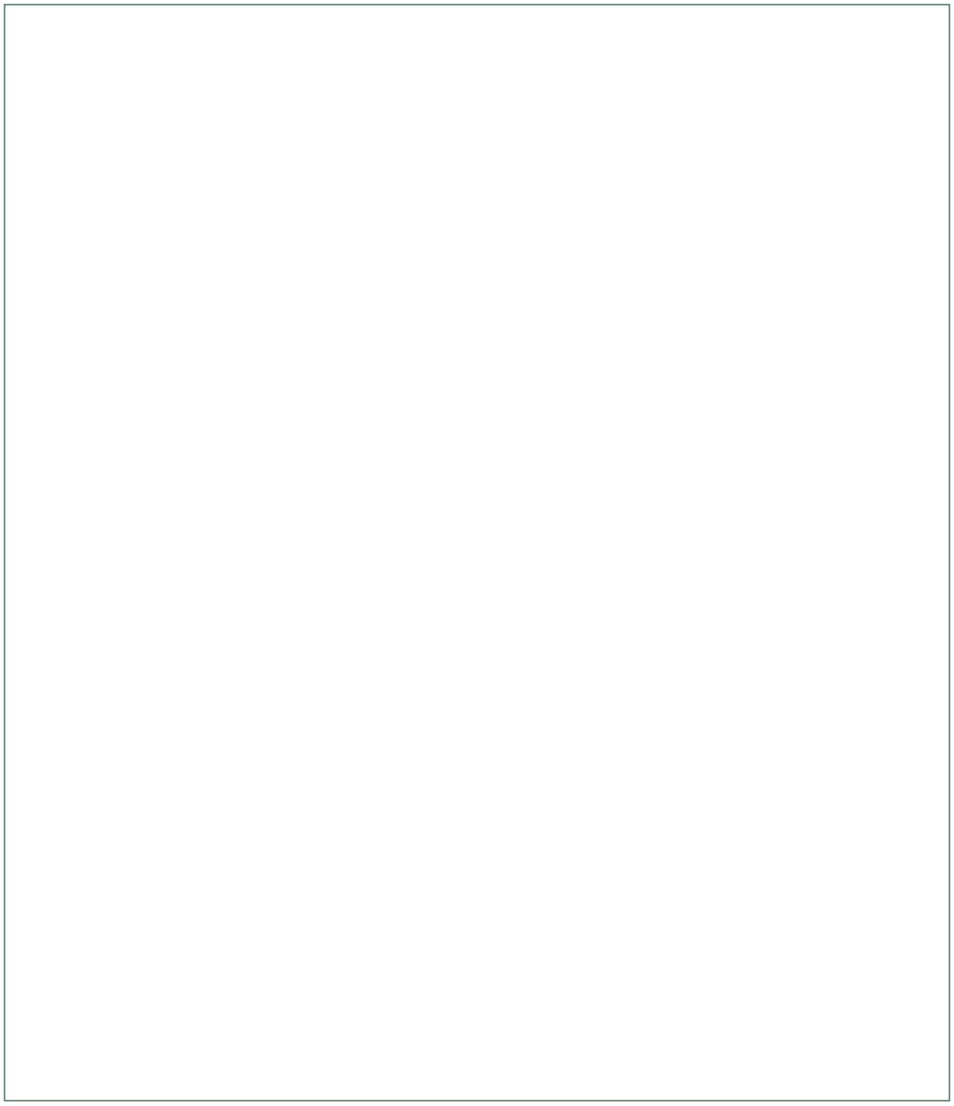
TASK 1 / A hypothetical reference gives length 20 m and span 14 m. Your plan panel is 20 cm wide at 1 cm to 1 m. Block the fuselage and wings, then state the target span in centimeters and the target ratio.



# Super Hornet Orthographic Drawing: Plan and Profile Practice

Task 2 / practice

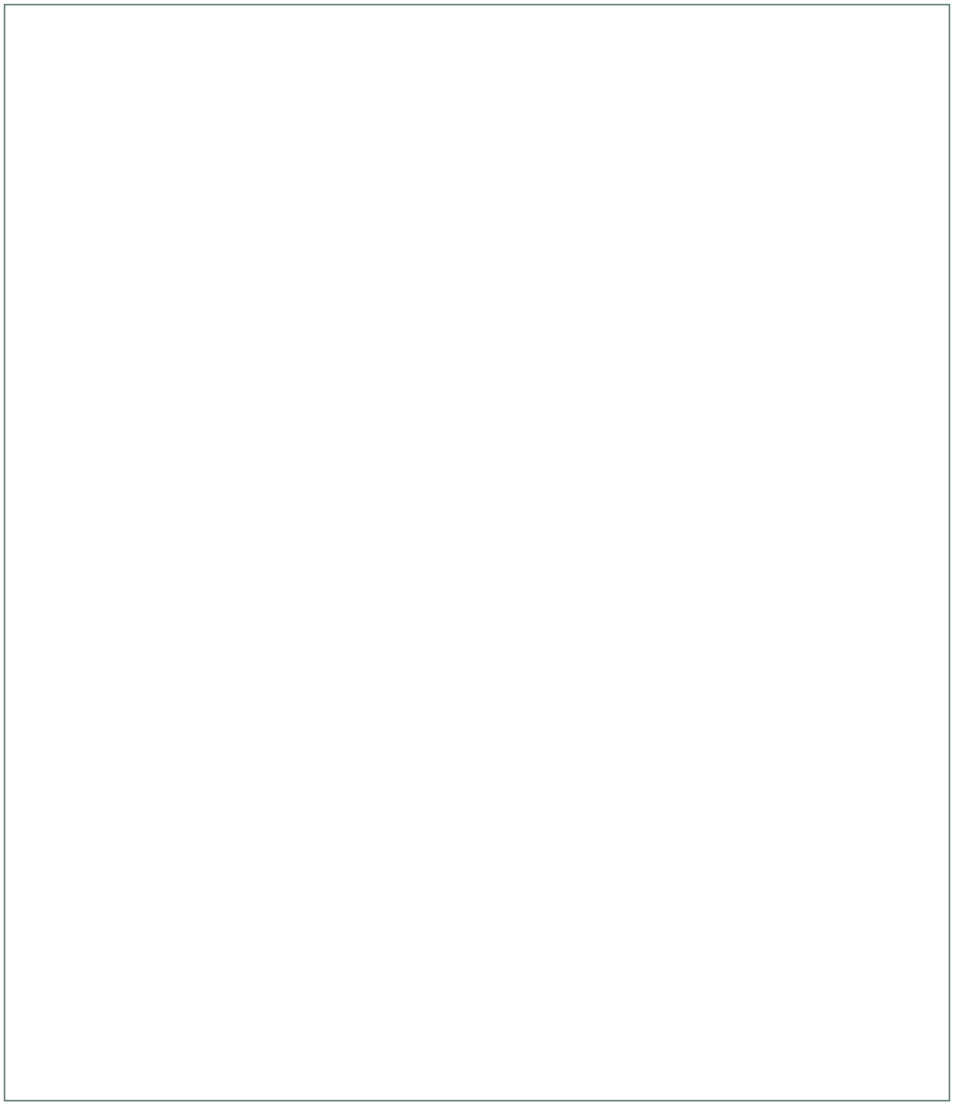
TASK 2 / In profile view, a hypothetical fuselage length is 16 cm and tail height is 4 cm. Calculate the tail-height-to-length ratio. If your drawn tail height is 3 cm, is it within ten percent of the target?



# Super Hornet Orthographic Drawing: Plan and Profile Practice

Task 3 / practice

TASK 3 / You draw a plan view with fuselage length 18 cm and span 12 cm. Your reference ratio is 0.72. Calculate your drawn ratio and state whether it is within ten percent of the target.



# Super Hornet Orthographic Drawing: Plan and Profile Practice

Task 4 / practice

TASK 4 / A plan view shows a wing block sweeping back 5 cm over a horizontal run of 10 cm. Calculate the sweep ratio (horizontal run divided by vertical drop). If you change the horizontal run to 8 cm with the same 5 cm drop, what is the new ratio?

