Grid-Guided Rocket Ship Drawing: Body and Fin Placement

Original task 1 / independent drawing and calculation

Task 1

Draw a rocket with body width 5 squares and height 8 squares, nose height 2 squares, and two fins each with base 2 squares and height 3 squares. State the total guide area.

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

A learner places the nose apex 2 squares to the right of the body centre line. The body width is 6 squares. Describe how to correct the placement using grid counts.

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.

Grid-Guided Rocket Ship Drawing: Body and Fin Placement

Original task 3 / independent drawing and calculation

Task 3

Using body width 4 squares, height 9 squares, nose height 3 squares, and fins with base 3 squares and height 4 squares, compute total guide area and explain one possible source of counting error.

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.

Grid-Guided Rocket Ship Drawing: Body and Fin Placement

Original task 4 / independent drawing and calculation

Task 4

Design an asymmetric fin placement on a body of width 6 squares and height 10 squares: left fin base 2 squares and height 3 squares; right fin base 4 squares and height 5 squares. Compute total fin area and state how to document the choice.

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.