Draw a Food Truck: Box Body, Service Window, and Awning

Original task 1 / independent drawing and calculation

Task 1

Draw a food truck with a 12-unit body length, 6-unit height, wheel centers at 3 and 9 units with 1.5-unit radius arches, a service window 4 units wide and 2 units high centered between the arches with a 2-unit bottom margin, and a trapezoid awning 6 units wide at the bottom, 5 units at the top, and 1.5 units high, placed 0.5 units above the window. Check all sums.

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.

Draw a Food Truck: Box Body, Service Window, and Awning

Original task 2 / independent drawing and calculation

Task 2

Draw a food truck with a 10-unit body length and 5-unit body height. Put the body bottom 1.5 units above the ground line. Place wheel bottoms on the ground line and centers 1.25 units above it, at x=2 and x=8; use arch cutouts of radius 1.25 centered on the body bottom at the same x-values. Add a service window 3 units wide and 1.5 units high, with its bottom 0.5 unit above the body bottom, and a scalloped awning 4 units wide and 1 unit high, 0.5 unit above the window. Center the window first, then try shifting it 1 unit toward the front. Check whether it overlaps the front arch and find the largest forward shift that clears the arch horizontally. Give the final margins and vertical stack.

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.

Draw a Food Truck: Box Body, Service Window, and Awning

Original task 3 / independent drawing and calculation

Task 3

Draw a food truck with a 14-unit body length, 7-unit height, wheel centers at 3.5 and 10.5 units with 1.75-unit radius arches, a service window 5 units wide and 2.5 units high centered between the arches with a 2-unit bottom margin, and a trapezoid awning 7 units wide at the bottom, 6 units at the top, and 2 units high, placed 0.5 units above the window. Check the vertical stack.

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.

Draw a Food Truck: Box Body, Service Window, and Awning

Original task 4 / independent drawing and calculation

Task 4

Draw a food truck with an 8-unit body length, 4-unit height, wheel centers at 2 and 6 units with 1-unit radius arches, a service window 2 units wide and 1 unit high centered between the arches with a 1-unit bottom margin, and a scalloped awning 3 units wide and 0.75 units high placed 0.5 units above the window. Check whether the awning fits within the body height.

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.