Car Symmetry Drawing: Complete the Mirror Half

Original task 1 / independent drawing and calculation

Task 1

On square paper, a vertical mirror line is drawn. A half-car on the left has its roof peak on the mirror line at 5 squares above the baseline. The left wheel center is 2 squares left of the line and 1 square above the baseline. State the position of the right wheel center.

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 half-car has a window top at 3 squares above the baseline and 1 square left of the mirror line. The roof peak is on the mirror line at 6 squares above the baseline. Describe where the right window top goes and whether the roof peak moves.

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 3 / independent drawing and calculation

Task 3

A student draws the left wheel center 3 squares left of the mirror line and 1 square above the baseline, but draws the right wheel center 3 squares right of the line and 2 squares above the baseline. Is the drawing symmetric by the convention? Explain and give the correct position.

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 4 / independent drawing and calculation

Task 4

On a blank panel with a vertical mirror line and baseline, you must draw a simple front-view car with a roof peak on the line at 7 squares above the baseline, two wheel centers at 1 square above the baseline and 4 squares from the line, and a windshield top at 4 squares above the baseline and 2 squares from the line. Describe the sequence of marks for both halves and one check you would perform.

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.