Draw a Layered Thundercloud with Lightning

Original task 1 / independent drawing and calculation

Task 1

Draw a thundercloud on a 15 cm wide page using a 9 cm base, 7 cm mid, and 5 cm top. State your light direction and attach one bolt of about 4 cm.

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

Draw a thundercloud with light from the upper right and two bolts that do not cross. Use any page size and state your measurements.

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 Layered Thundercloud with Lightning

Original task 3 / independent drawing and calculation

Task 3

Draw a thundercloud where one bolt starts inside the base mass and exits through the lower edge. Explain how the exit point shows attachment.

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 Layered Thundercloud with Lightning

Original task 4 / independent drawing and calculation

Task 4

Draw a thundercloud with three bolts of different lengths. Keep all bolts attached and non-crossing, and state one measurement for each bolt.

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.