Draw a V8 Engine: Cylinder Layout, Crankshaft and Block Outline

Original task 1 / independent drawing and calculation

Task 1

On a 100 mm by 70 mm rectangle, place two banks of four cylinders with 15 mm spacing along the centerline. Label them 1-8 and state your numbering key.

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 side-view block outline 100 mm wide and 50 mm tall. Place a horizontal crankshaft line 15 mm above the bottom edge and add four alternating throws of 6 mm.

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

Create a valve cover reference strip with two shapes, label them A and B, and keep all letters at the same baseline-to-midline 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.

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Original task 4 / independent drawing and calculation

Task 4

Combine your top and side views on one page. Add a short key explaining the cylinder numbering and the crankshaft line.

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.