Draw a Simple Old Sailing Ship: Hull and Rigging Construction

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

Using L = 16 cm and H = 3 cm, construct a side-view hull with three masts and four rigging lines. State the mast positions and line endpoints.

Answer: Baseline 0 to 16 cm; deck line at 3 cm; midline at 8 cm. Bow top (0,3), bow bottom (0,0), stern top (16,3), stern bottom (16,0), midship bulge (8,1.5). Foremast at x=4, mainmast at x=8, mizzenmast at x=12. Mast heights: foremast 1.5H = 4.5 cm, so foremast top (4,7.5); mainmast 2H = 6 cm, so mainmast top (8,9); mizzenmast 1.2H = 3.6 cm, so mizzenmast top (12,6.6). Rigging lines: foremast top to bow top; mainmast top to foremast top; mainmast top to mizzenmast top; mizzenmast top to stern top. Count = 4.