Isometric Chaise Lounge at 3:16 Scale: A Drawing Guide

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

Draw a simplified chaise lounge in isometric at 3:16 using these hypothetical real sizes: seat length 160 cm, seat width 60 cm, seat height 35 cm, backrest height 70 cm above seat, leg height 10 cm. Use 1 cm paper = 16/3 cm real, so 3 cm paper = 16 cm real. Show the scale bar and two dimension callouts.

Answer: Paper sizes: seat length 30 cm, seat width 11.25 cm, seat height 6.56 cm, backrest 13.13 cm above seat, legs 1.88 cm. Draw the vertical axis and two 30-degree axes. Build the seat box 30 cm by 11.25 cm by 6.56 cm. Add the backrest box 11.25 cm wide and 13.13 cm tall at one end. Add four leg boxes 1.88 cm tall. Draw a 3 cm scale bar divided into 3 parts, subdivide the left part into 3, and label '3:16'. Add callouts '160 cm' along the seat length and '60 cm' along the seat width. Check that all edges are parallel to the axes and that the scale bar measures 3 cm.