Draw a Kitchen Weight Scale: Dial, Platform, and Body

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Draw a side-view kitchen weight scale with a body 10 cm wide and 7 cm high, a platform 12 cm long and 1 cm above the body top, and a dial circle with radius 2 cm centered on the body. Describe the steps and check the proportions.

Answer: Draw a 10 cm baseline. Draw vertical lines 7 cm up at each end and connect the tops to close the body. Mark 1 cm beyond each side of the body top, then draw a 12 cm platform line 1 cm above the body top and add short verticals for thickness. Draw a light vertical center line on the body, mark the dial center, and draw a 2 cm radius circle. Add a pointer and four tick marks. Check: platform is 12 cm and overhangs 1 cm each side; body is 10 cm by 7 cm; dial radius 2 cm fits inside the body; platform is level.