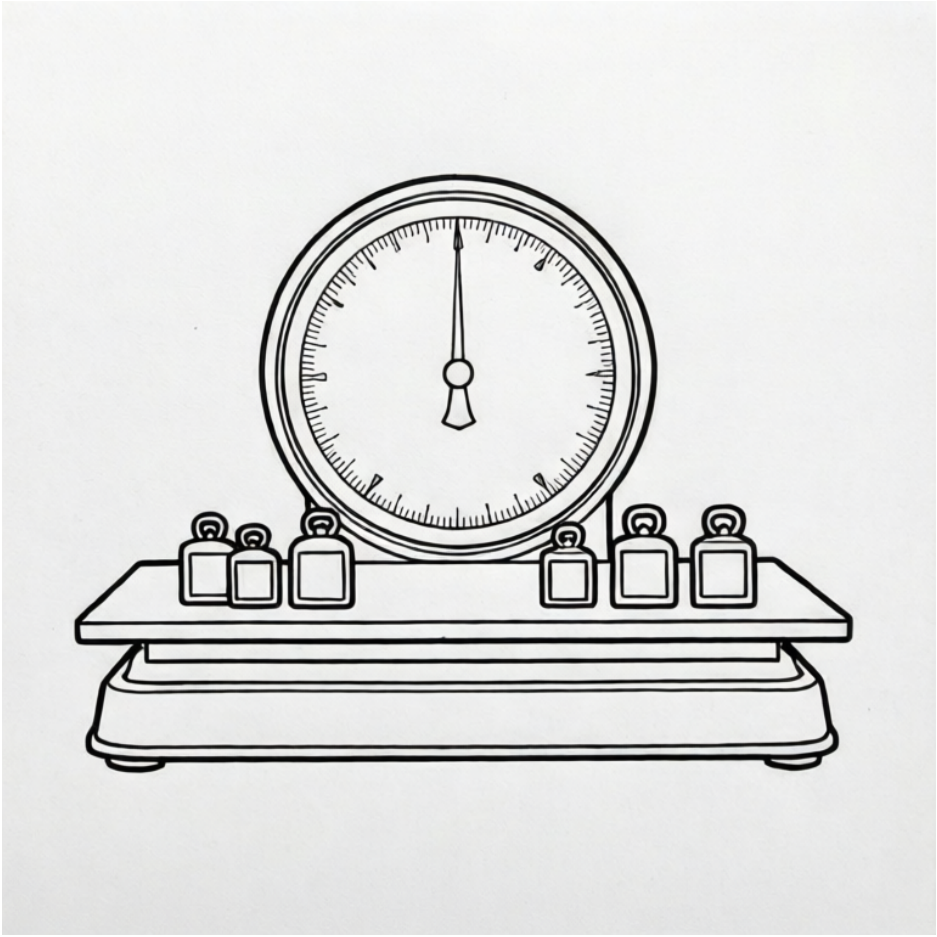
Draw a Weighing Scale: Dial, Platform, and Weights

Ordinary topic reference / separately checked pixels



Draw a Weighing Scale: Dial, Platform, and Weights

Original worked example / unchanged complete key

Prompt: On a 15 cm wide sheet, draw a scale body 12 cm tall. Use a dial diameter of 4 cm, a platform 8 cm wide and 1 cm tall, and a 2 cm gap between dial and platform. Add a pointer shorter than the dial radius and two labeled weights: 1 kg and 0.5 kg.

Answer: Center line at 7.5 cm. Dial center at 4 cm from the top; dial circle diameter 4 cm, so the dial bottom is at 6 cm from the top. Platform top at 8 cm from the top (6 cm dial bottom plus the 2 cm gap), width 8 cm centered, height 1 cm, so the platform bottom is at 9 cm from the top and stays within the 12 cm body. Pointer from the center cross to the upper right, length 1.5 cm, which is shorter than the 2 cm radius and stays inside the rim. Weights: 1 kg block 2 cm by 1.5 cm and 0.5 kg block 1.5 cm by 1 cm, placed side by side on the platform with a 0.5 cm gap. All labels in block letters.