Draw a Drum Set: Kit Layout and Hardware Construction

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: A five-piece kit has a bass drum of example diameter 22 units, snare 14 units, two rack toms 10 and 12 units, and a floor tom 16 units. In the overhead plan the bass drum center is at (0,0), snare at (-6,4), rack toms at (-3,-5) and (3,-5), floor tom at (10,6), hi-hat at (-10,2), ride at (12,-2), crash at (6,-8). Draw the plan and front view, then check connections.

Answer: Plan: place labeled circles at the given coordinates inside a footprint rectangle; add tripod marks for hi-hat, ride, and crash, a pedal footprint at bass drum bottom center, and a throne rectangle behind the snare. Front view: bass drum circle of 22 units with depth band, spurs, and pedal; snare ellipse of 14 units on a three-leg stand; rack toms on a shared post from the bass drum; floor tom on three legs. Connections: every drum touches a stand, mount, or leg; every cymbal sits on a rod; pedal footprints connect to bass drum and hi-hat.

Reason: Coordinates fix relative positions before drawing. Carrying the same unit values into front view keeps proportions consistent. The connection check catches floating items.

Check: Measure each drawn diameter against its labeled unit value; confirm every stand base is inside the footprint; trace each connector line to a real hardware joint.