Racket Drawing: Oval Head, String Grid, and Grip

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 racket with a head height of 90 mm and a head width of 60 mm. Use a string spacing of 10 mm. The grip length is 90 mm and the grip width is 12 mm. Describe the construction and the final check.

Answer: Draw a vertical center line. Mark 90 mm for head height and 60 mm for head width, centered on the line. Sketch the ellipse through these marks. For strings, 60 mm width with 10 mm spacing gives six intervals; 90 mm height with 10 mm spacing gives nine intervals. Draw vertical strings at the width marks and horizontal strings at the height marks, stopping at the ellipse. Below the head, mark 90 mm for grip length and 12 mm for grip width, centered on the line. Draw the grip with a slight taper. Check: grip width 12 mm is one-fifth of head width 60 mm; head width is two-thirds of head height 90 mm. The grid has even 10 mm spacing in both directions.