

For an angle θ in standard position, with the terminal side intersecting the unit circle at the point (x, y) , the value of the cotangent function is given by $\cot \theta = \frac{x}{y}$. Therefore:

$$\cot 53^\circ = \frac{\frac{3}{5}}{\frac{4}{5}} = \frac{3}{5} \cdot \frac{5}{4} = \frac{3}{4}$$