

Trig Function Reciprocal Values

$$\frac{1}{2} \rightarrow \frac{2}{1} \rightarrow 2$$

$$\text{So, } \frac{1}{2} \leftrightarrow 2$$

$$\frac{\sqrt{2}}{2} \rightarrow \frac{2}{\sqrt{2}} \rightarrow \frac{2}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} \rightarrow \frac{2\sqrt{2}}{\sqrt{4}} \rightarrow \frac{\cancel{2}\sqrt{2}}{\cancel{2}} \rightarrow \sqrt{2}$$

$$\text{So, } \frac{\sqrt{2}}{2} \leftrightarrow \sqrt{2}$$

$$\text{or } \sqrt{2} \rightarrow \frac{1}{\sqrt{2}} \rightarrow \frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} \rightarrow \frac{\sqrt{2}}{\sqrt{4}} \rightarrow \frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{3}}{2} \rightarrow \frac{2}{\sqrt{3}} \rightarrow \frac{2}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} \rightarrow \frac{2\sqrt{3}}{\sqrt{9}} \rightarrow \frac{2\sqrt{3}}{3}$$

$$\text{So, } \frac{\sqrt{3}}{2} \leftrightarrow \frac{2\sqrt{3}}{3}$$

$$\frac{\sqrt{3}}{3} \rightarrow \frac{3}{\sqrt{3}} \rightarrow \frac{3}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} \rightarrow \frac{3\sqrt{3}}{\sqrt{9}} \rightarrow \frac{\cancel{3}\sqrt{3}}{\cancel{3}} \rightarrow \sqrt{3}$$

$$\text{So, } \frac{\sqrt{3}}{3} \leftrightarrow \sqrt{3}$$