

Steps to Simplify a Square Root of a Fraction

1. Write original problem.
2. Simplify (reduce) fraction.
3. Put a $\sqrt{\quad}$ over the numerator and put a $\sqrt{\quad}$ over the denominator.
4. Simplify each $\sqrt{\quad}$

Simplify

$$\begin{aligned}\sqrt{\frac{25}{36}} &= \frac{\sqrt{25}}{\sqrt{36}} \\ &= \frac{5}{6}\end{aligned}$$