

1. Löse die Klammer auf

$$\sqrt{2} * (\sqrt{3} + \sqrt{2}) =$$

$$\sqrt{5} * (\sqrt{8} - \sqrt{3}) =$$

$$(\sqrt{3} + \sqrt{2})(\sqrt{3} - \sqrt{2}) =$$

$$(\sqrt{8} + \sqrt{32}) : \sqrt{2} =$$

$$(\sqrt{3} + \sqrt{5})^2 =$$

$$(\sqrt{7} - \sqrt{3})^2 =$$

$$(\sqrt{2} + \sqrt{3})(\sqrt{8} - \sqrt{3}) =$$

2. Löse ohne Taschenrechner

$$\sqrt{9} =$$

$$\sqrt{64} =$$

$$\sqrt{49} =$$

$$\sqrt{36} =$$

$$\sqrt{121} =$$

$$\sqrt{225} =$$

$$\sqrt{289} =$$

$$\sqrt{144} =$$

$$\sqrt{361} =$$

$$\sqrt{400} =$$

$$\sqrt{169} =$$

$$\sqrt{1.000.000} =$$

3. Rationalisiere den Nenner

$$\frac{3}{\sqrt{2}} =$$

$$\frac{9\sqrt{2}}{\sqrt{3}} =$$

$$\frac{1}{\sqrt{7}+2} =$$

$$\frac{\sqrt{3}}{\sqrt{27}} =$$

$$\frac{\sqrt{2}}{\sqrt{5}-\sqrt{2}} =$$