

① Berechne!

a) $\sqrt{24} = \sqrt{\underline{\hspace{1cm}} \cdot 24} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 24} = \underline{\hspace{1cm}} \sqrt{2 \cdot 3 \cdot 4}$

b) $\sqrt{3920} = \sqrt{\underline{\hspace{1cm}} \cdot 80} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 80} = \underline{\hspace{1cm}} \sqrt{4 \cdot 4 \cdot 5}$

c) $\sqrt{512} = \sqrt{\underline{\hspace{1cm}} \cdot 8} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 8} = \underline{\hspace{1cm}} \sqrt{2 \cdot 4 \cdot 1}$

d) $\sqrt{2000} = \sqrt{\underline{\hspace{1cm}} \cdot 20} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 20} = \underline{\hspace{1cm}} \sqrt{2 \cdot 2 \cdot 5}$

e) $\sqrt{2916} = \sqrt{\underline{\hspace{1cm}} \cdot 36} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 36} = \underline{\hspace{1cm}} \sqrt{3 \cdot 3 \cdot 4}$

f) $\sqrt{54} = \sqrt{\underline{\hspace{1cm}} \cdot 6} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 6} = \underline{\hspace{1cm}} \sqrt{3 \cdot 2 \cdot 1}$

g) $\sqrt{2304} = \sqrt{\underline{\hspace{1cm}} \cdot 36} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 36} = \underline{\hspace{1cm}} \sqrt{3 \cdot 3 \cdot 4}$

h) $\sqrt{864} = \sqrt{\underline{\hspace{1cm}} \cdot 24} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 24} = \underline{\hspace{1cm}} \sqrt{2 \cdot 3 \cdot 4}$

i) $\sqrt{512} = \sqrt{\underline{\hspace{1cm}} \cdot 8} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 8} = \underline{\hspace{1cm}} \sqrt{2 \cdot 2 \cdot 2}$

j) $\sqrt{288} = \sqrt{\underline{\hspace{1cm}} \cdot 8} = \sqrt{\underline{\hspace{1cm}}^2 \cdot 8} = \underline{\hspace{1cm}} \sqrt{4 \cdot 1 \cdot 2}$