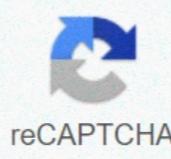




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That is, the numbers outside the radical are multiplied together, and the numbers inside the radical are multiplied together. Let's try an example. Simplify $\sqrt{2}\sqrt{3} + \sqrt{5}\sqrt{6}$. According to the above recognition, the expression is equal $\sqrt{15}$. Where, as always, we must remember to use the distribution feature of the multiplication. But then we're going to use our ability to replicate radicals to deal with radicals. We are $\sqrt{3}\sqrt{2} + \sqrt{5}\sqrt{6} = \sqrt{3}\sqrt{2} + \sqrt{5}\sqrt{6}$. Now $(\sqrt{3} + \sqrt{5})(\sqrt{2} + \sqrt{6}) = \sqrt{3}\sqrt{2} + \sqrt{3}\sqrt{6} + \sqrt{5}\sqrt{2} + \sqrt{5}\sqrt{6}$. So we see that the proliferation of radicals is not so bad. Let's try another example. We want to simplify $\sqrt{3}\sqrt{2} + \sqrt{5}\sqrt{6}$. Again, we want to use typical rules of multiplication of expressions, but we will also use the property of radicals by remembering to multiply component parts. 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But then we're going to use our ability to replicate radicals to deal with radicals. We are $\sqrt{3}\sqrt{2} + \sqrt{5}\sqrt{6} = \sqrt{3}\sqrt{2} + \sqrt{5}\sqrt{6}$. Now $(\sqrt{3} + \sqrt{5})(\sqrt{2} + \sqrt{6}) = \sqrt{3}\sqrt{2} + \sqrt{3}\sqrt{6} + \sqrt{5}\sqrt{2} + \sqrt{5}\sqrt{6}$. So we see that the proliferation of radicals is not so bad. Let's try another example. We want to simplify $\sqrt{3}\sqrt{2} + \sqrt{5}\sqrt{6}$. Again, we want to use typical rules of multiplication of expressions, but we will also use the property of radicals by remembering to multiply component parts. We have $\sqrt{3}\sqrt{2} + \sqrt{5}\sqrt{6} = \sqrt{3}\sqrt{2} + \sqrt{5}\sqrt{6}$. Below you can download some free math work and application. Application.

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