

Wurzeln Aufgabe 96

$$\begin{aligned} & (6 \times \sqrt{2} - 2 \times \sqrt{18} + 5 \times \sqrt{50} - 2 \times \sqrt{98}) \times 2 \times \sqrt{2} = \\ & = (6 \times \sqrt{2} - 2 \times \sqrt{9 \times 2} + 5 \times \sqrt{25 \times 2} - 2 \times \sqrt{49 \times 2}) \times 2 \times \sqrt{2} = \\ & = (6 \times \sqrt{2} - 2 \times 3 \times \sqrt{2} + 5 \times 5 \times \sqrt{2} - 2 \times 7 \times \sqrt{2}) \times 2 \times \sqrt{2} = \\ & = (6 \times \sqrt{2} - 6 \times \sqrt{2} + 25 \times \sqrt{2} - 14 \times \sqrt{2}) \times 2 \times \sqrt{2} = \\ & = 11 \times \sqrt{2} \times 2 \times \sqrt{2} = \\ & = 22 \times 2 = 44 \end{aligned}$$