

Ditwis worteltest

opgave 1 $\sqrt{14} \times \sqrt{14} = A$ $= 14 = A$ ($\sqrt{A^2} = A$)

opgave 2 $\sqrt{24} \times \sqrt{36} = \sqrt{A}$ $= \sqrt{24 \cdot 36} = \sqrt{864}$ $A = 864$

opgave 3 $\sqrt{72} + \sqrt{72} = \sqrt{A}$ $= 2\sqrt{72} = \sqrt{4 \cdot 72} = \sqrt{4 \cdot 72} = \sqrt{288}$
 $A = 288$

opgave 4 $6\sqrt{8} = \sqrt{A}$ $\sqrt{36} \cdot \sqrt{8} = \sqrt{A} = \sqrt{8 \cdot 36} = \sqrt{288}$ $A = 288$

opgave 5 $7\sqrt{29} + 7\sqrt{29} = A\sqrt{29}$ $= 14\sqrt{29}$ $A = 14$

opgave 6 $10\sqrt{47} + 9\sqrt{47} = 19\sqrt{A}$ $= 19\sqrt{47}$ $A = 47$

opgave 7 $8\sqrt{37} + 4\sqrt{37} = \sqrt{A}$ $= 12\sqrt{37} = \sqrt{12^2 \cdot 37} = \sqrt{144 \cdot 37}$
 $A = 5328$ $= \sqrt{5328}$

opgave 8 $\sqrt{414} = A\sqrt{46}$ $= \sqrt{9 \cdot 46} = 3\sqrt{46}$ $A = 3$
 $\uparrow \frac{414}{46} = 9$

opgave 9 $\sqrt{225} + \sqrt{49} = \sqrt{A}$ $\sqrt{9 \cdot 25} + \sqrt{49}$
 $= 3 \cdot 5 + 7 = 22 = \sqrt{22 \cdot 22} = \sqrt{484}$
 $A = 484$

opgave 10 $\sqrt{245} + \sqrt{80} = 11\sqrt{A}$

\downarrow
 $\sqrt{5 \cdot 49} + \sqrt{5 \cdot 16} = 7\sqrt{5} + 4\sqrt{5} = 11\sqrt{5}$
 $A = 5$