

Simplification de radicaux- Exercices

Rends formels les radicaux suivants.

1 $7\sqrt{72} =$

6 $17\sqrt{392} =$

2 $\sqrt{68} =$

7 $\sqrt{1000} =$

3 $\sqrt{567} =$

8 $2\sqrt{27} =$

4 $8\sqrt{126} =$

9 $13\sqrt{810} =$

5 $10\sqrt{490} =$

10 $\sqrt{338} =$

Simplification de radicaux - Solutions

1 $7\sqrt{72} = 7 \cdot \sqrt{36} \cdot \sqrt{2} = 7 \cdot 6 \sqrt{2} = 42\sqrt{2}$

6 $17\sqrt{392} = 17 \cdot \sqrt{196} \cdot \sqrt{2} = 17 \cdot 14 \sqrt{2} = 238\sqrt{2}$

2 $\sqrt{68} = \sqrt{4} \cdot \sqrt{17} = 2\sqrt{17}$

7 $\sqrt{1000} = \sqrt{100} \cdot \sqrt{10} = 10\sqrt{10}$

3 $\sqrt{567} = \sqrt{81} \cdot \sqrt{7} = 9\sqrt{7}$

8 $2\sqrt{27} = 2 \cdot \sqrt{9} \cdot \sqrt{3} = 2 \cdot 3 \sqrt{3} = 6\sqrt{3}$

4 $8\sqrt{126} = 8 \cdot \sqrt{9} \cdot \sqrt{14} = 8 \cdot 3 \sqrt{14} = 24\sqrt{14}$

9 $13\sqrt{810} = 13 \cdot \sqrt{81} \cdot \sqrt{10} = 13 \cdot 9 \sqrt{10} = 117\sqrt{10}$

5 $10\sqrt{490} = 10 \cdot \sqrt{49} \cdot \sqrt{10} = 10 \cdot 7 \sqrt{10} = 70\sqrt{10}$

10 $\sqrt{338} = \sqrt{169} \cdot \sqrt{2} = 13\sqrt{2}$