Produkte u. Quotienten v. Quadratwurzeln

Arbeitsblatt

x	у	$\sqrt{x \cdot y}$	$\sqrt{x} \cdot \sqrt{y}$
9	16	$\sqrt{9\cdot 16} = \sqrt{144} = 12$	$\sqrt{9} \cdot \sqrt{16} = 3 \cdot 4 = 12$
1	4		
4	36		
16	25		
9	64		
49	100		

$$\sqrt{4 \cdot 25} =$$
 ____ = ___ $\sqrt{4} \cdot \sqrt{25} =$ ___ = ___
 $\sqrt{9 \cdot 49} =$ ___ = ___ $\sqrt{9} \cdot \sqrt{49} =$ ___ = ___ = ___

x	у	$\sqrt{\frac{x}{y}}$	$\frac{\sqrt{x}}{\sqrt{y}}$
9	16	$\sqrt{\frac{9}{16}} = \sqrt{\frac{3\cdot 3}{4\cdot 4}} = \frac{3}{4}$	$\frac{\sqrt{9}}{\sqrt{16}} = \frac{\sqrt{3\cdot3}}{\sqrt{4\cdot4}} = \frac{3}{4}$
1	4		
4	36		
16	25		
9	64		
49	100		

$$\sqrt{\frac{16}{49}} =$$
_____ = $\sqrt{\frac{100}{121}} =$ ____ = ____