Sind die folgenden Umformungen <u>richtig</u> oder <u>falsch</u>?

♣ $\dfrac{1\cdot 2}{3\cdot 4} = \dfrac{1}{3}\cdot\dfrac{2}{4} = \dfrac{1}{4}\cdot\dfrac{2}{3} = \dfrac{1\cdot 2}{3}\cdot\dfrac{1}{4} = \dfrac{1}{3}\cdot\dfrac{1}{2} = \dfrac{1}{6}$

♣ $\dfrac{1+2}{3+4} = \dfrac{1+2}{3} + \dfrac{1+2}{4}$

♣ $\dfrac{1+2}{3+4} = \dfrac{1}{3}+\dfrac{2}{4}$

♣ $\dfrac{1+2}{3+4} = \dfrac{1}{3+4}+\dfrac{2}{3+4}$

♣ $\dfrac{1}{2}+\dfrac{3}{4} = \dfrac{1+3}{2\cdot 4}$

♣ $\dfrac{1}{3}+\dfrac{2}{4} = \dfrac{4+6}{3\cdot 4}$

♣ $\dfrac{\left(\dfrac{1}{3}\right)}{2} = \dfrac{1}{3\cdot 2} = \dfrac{\left(\dfrac{1}{2}\right)}{3}$

♣ $\dfrac{2}{\left(\dfrac{1}{3}\right)} = 2\cdot\dfrac{3}{1} = 6$

♣ $\dfrac{\left(\dfrac{2}{3}\right)}{\left(\dfrac{1}{4}\right)} = \dfrac{2\cdot 4}{3\cdot 1} = \dfrac{8}{3}$

♣ $\dfrac{\left(\dfrac{2}{3}\right)}{\left(\dfrac{1}{4}\right)} = \dfrac{2}{3\cdot\dfrac{1}{4}} = \dfrac{2}{3\cdot 4}$

♣ $\dfrac{\dfrac{1}{2}}{3} = \dfrac{\left(\dfrac{1}{2}\right)}{3} = \dfrac{1}{\left(\dfrac{2}{3}\right)}$

♣ $\dfrac{1+3}{2+4} = \dfrac{2+6}{4+8}$