







$$V_{\text{parallel}} = 24 = (i_{12})(24 \ \Omega)$$
  
$$\Rightarrow \quad i_{24} = 1 \ A$$

Note that this makes sense. Because its resistance is lower by half, the 12 ohm resistor should have twice the current as the 24 ohm resistor . . . and the two currents have to sum to 3 amps. 4.



