$$\frac{1}{2} + \frac{1}{2} \times \frac{1}{2} = \frac{1}{2}$$

$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{2}$$

right answer by only moving one matchstick from the addition symbol to the bottom left corner of the 9 thus changing it to an 8. By doing so, the equation now functions as it should.