

Matchstick Puzzles

Use your sharp eyes and math skills to solve the puzzles on the following pages. Red lines represent the "sticks."

Your challenge is to move or remove sticks to create new images or make the equations true.

Instructions:

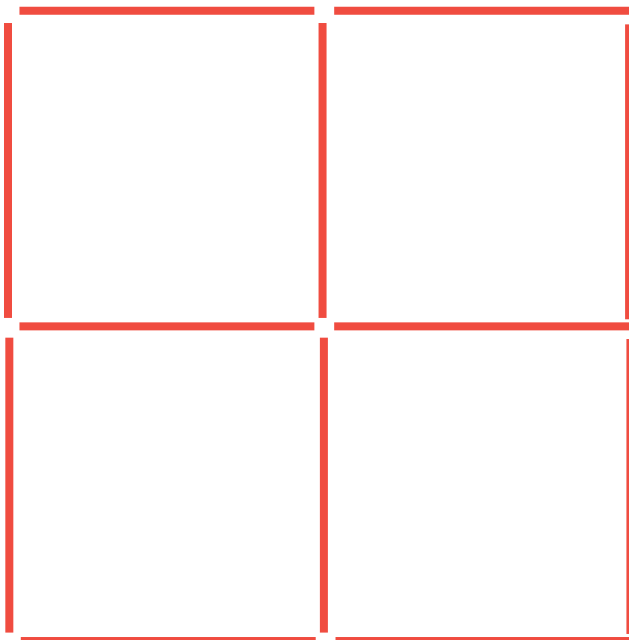
You can either:

- Redraw the puzzles on a separate sheet of paper, or
- Make it hands-on by constructing the puzzles with toothpicks, popsicle sticks, or matchsticks.

Once you've found a solution:

- Draw your final answer on the puzzle page.
- Cross out sticks you "removed" and **draw in sticks** you "moved."

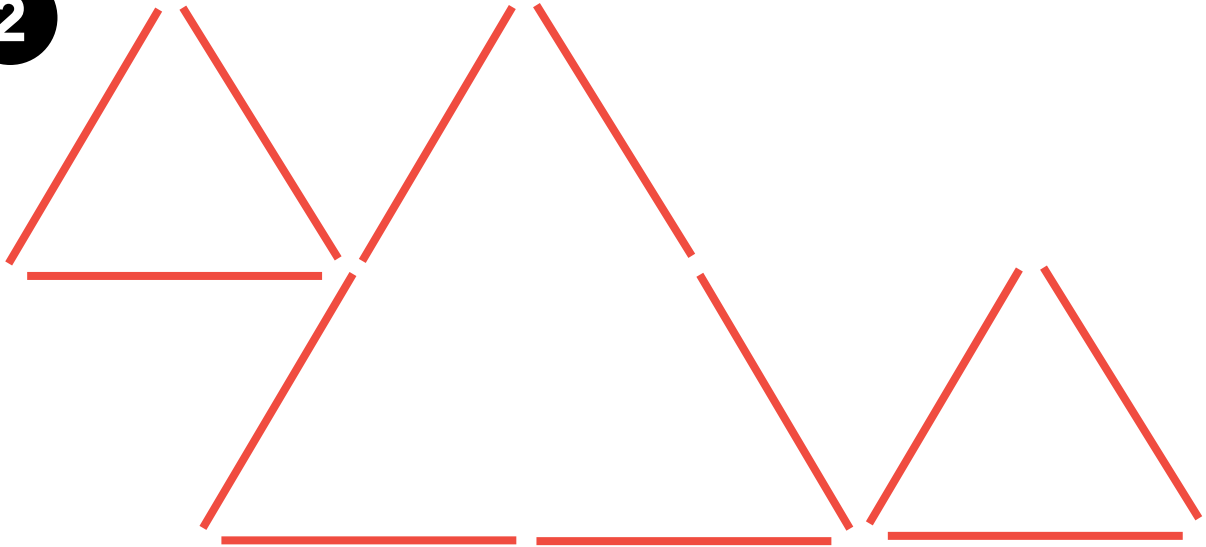
1



Turn this into **3 squares** by moving three sticks.

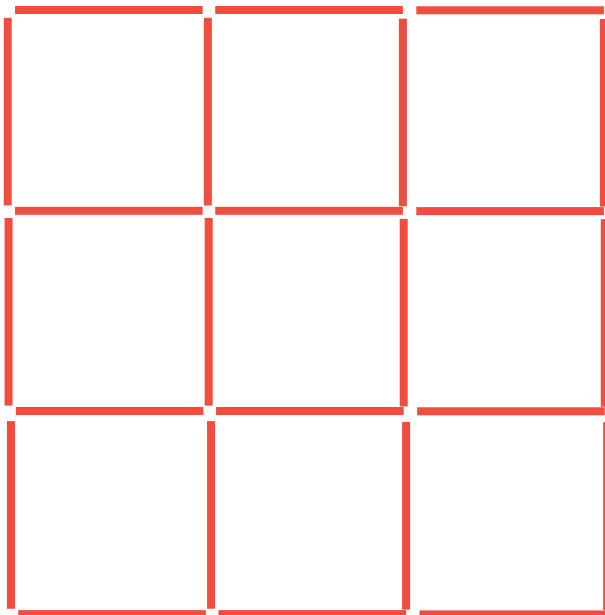


2



Turn these three triangles into **2 large triangles** and **1 small triangle** by moving three sticks.

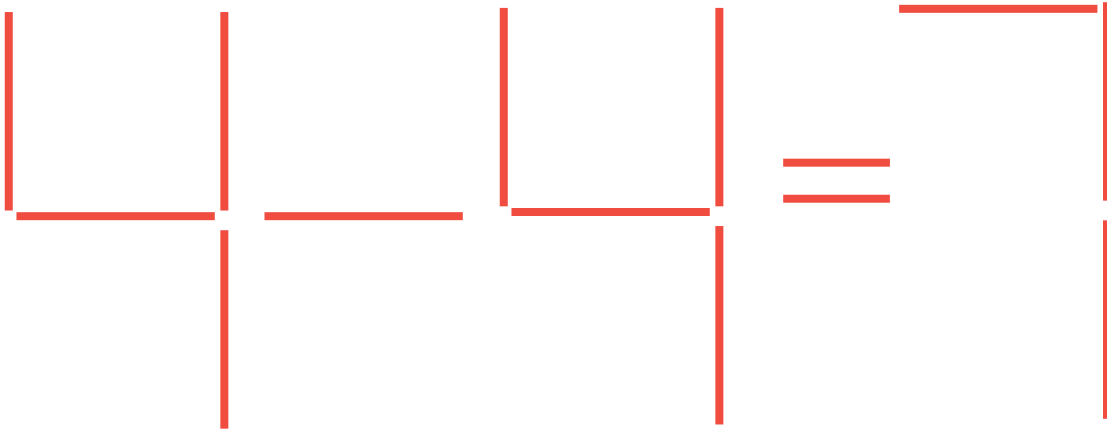
3



Turn this into **2 squares** by removing eight sticks.

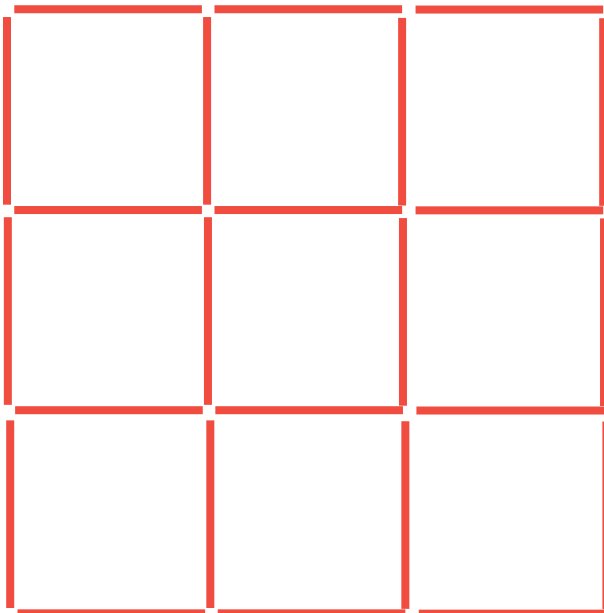


4



Correct the equation by moving one stick.

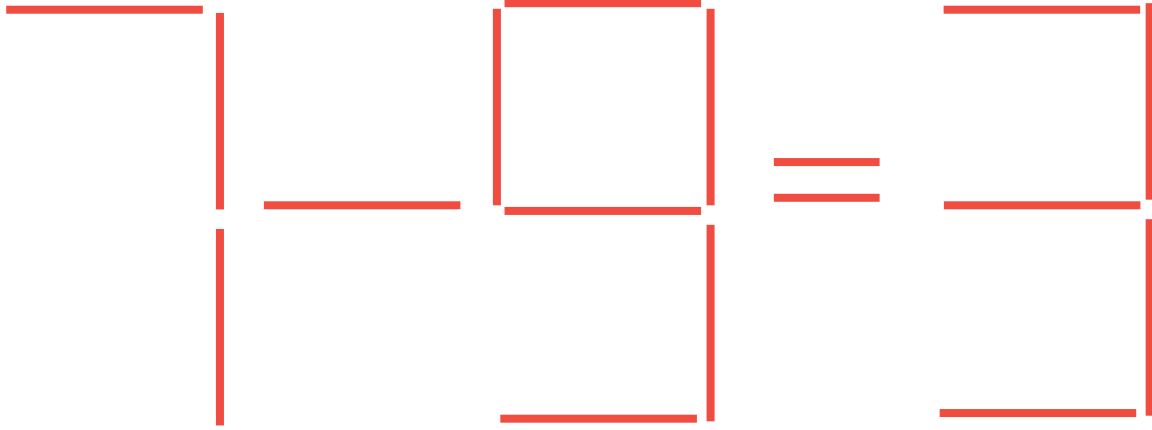
5



Turn this into **3 squares** by removing eight sticks.

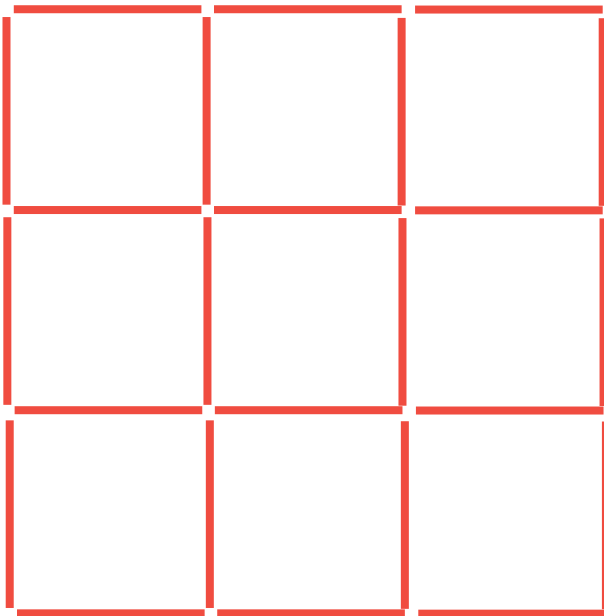


6



Correct the equation by removing two sticks.

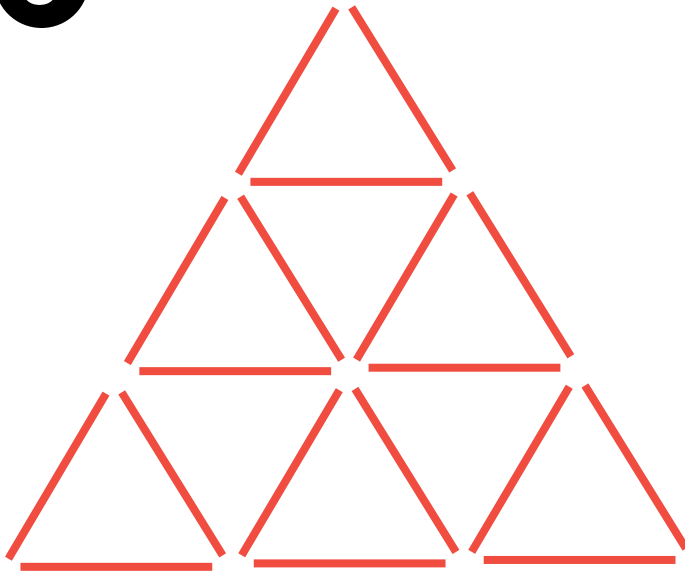
7



Turn this into 4 squares by removing eight sticks.

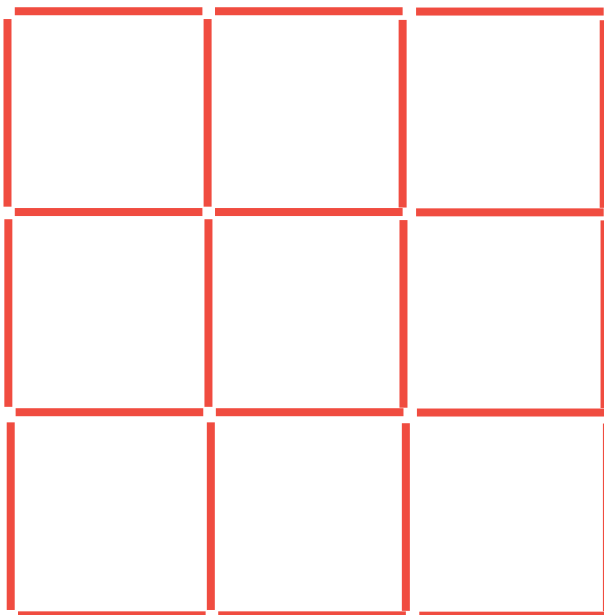


8



Turn this into **4 rectangles** by removing five sticks.

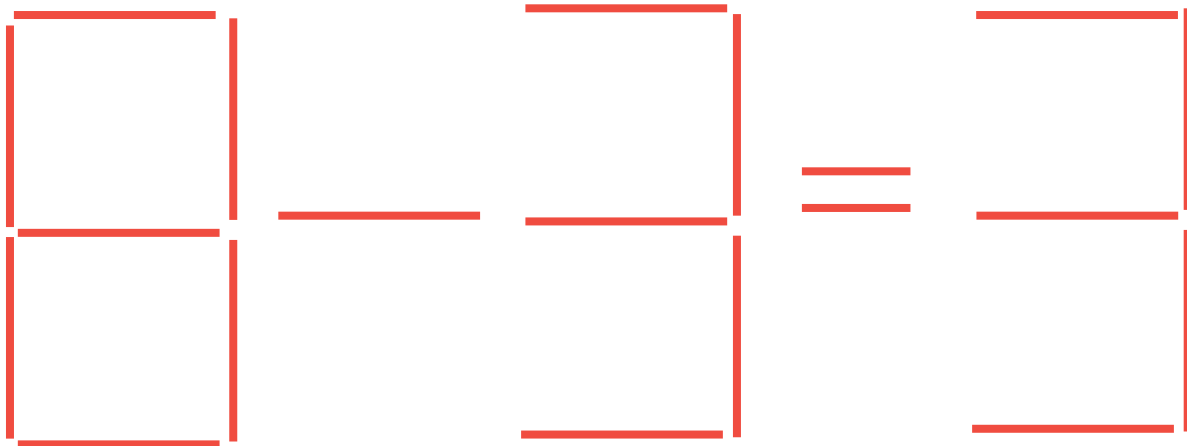
9



Turn this into **5 squares** by removing eight sticks.

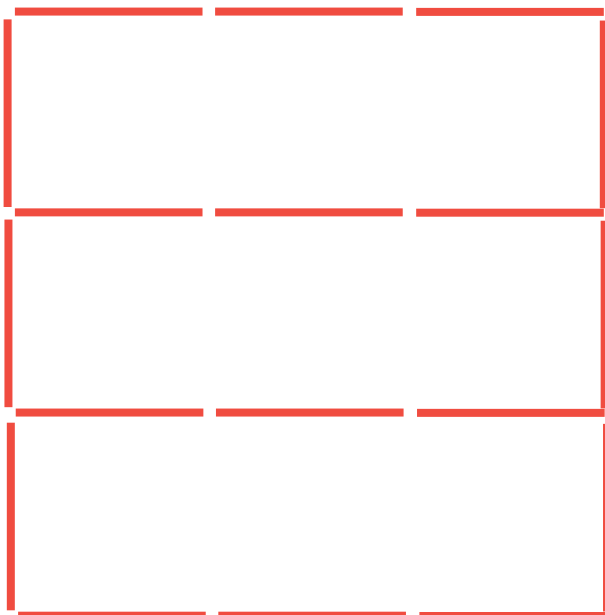


10



Correct the equation by moving one stick.

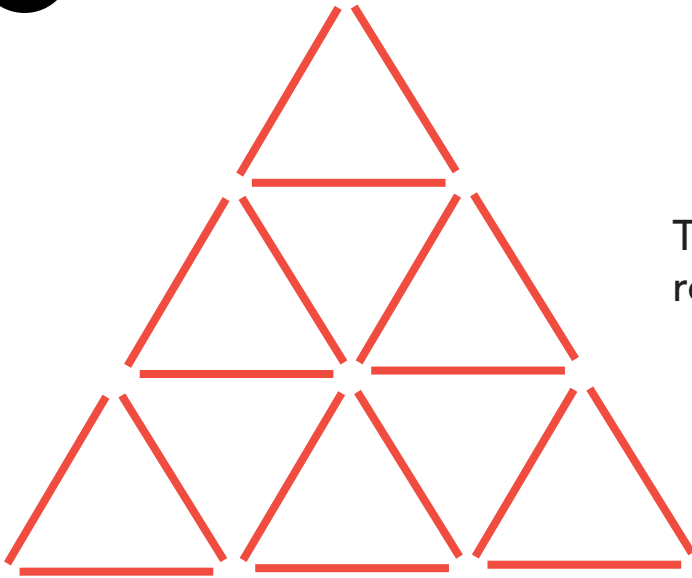
11



Turn this into **7 squares** by moving five sticks.

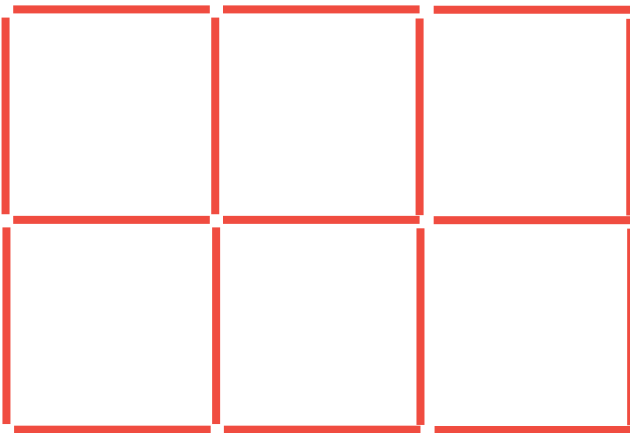


12



Turn this into **5 triangles** by removing five sticks.

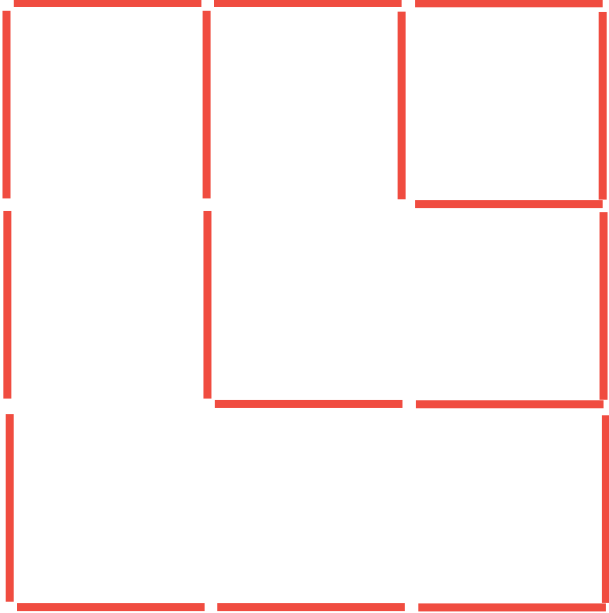
13



Turn this into **2 squares** by removing four sticks.

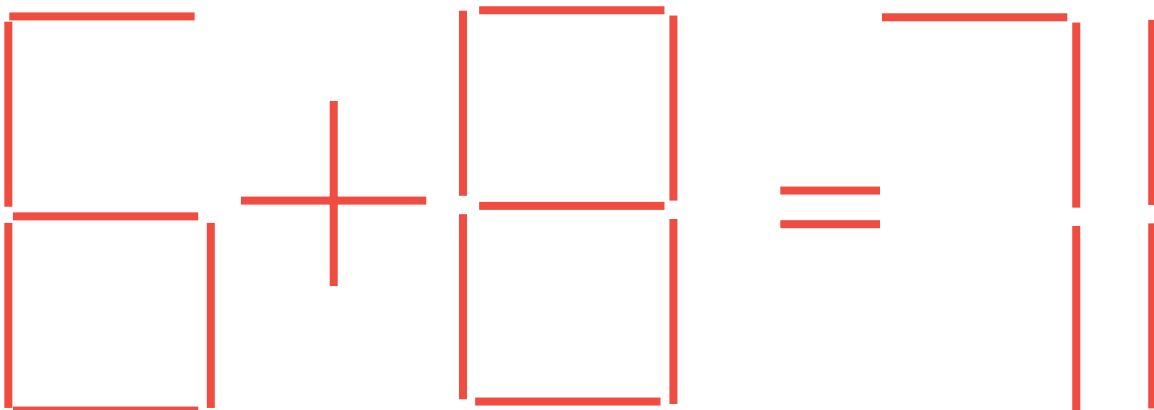


14



Turn this into **4 squares** by moving two sticks.

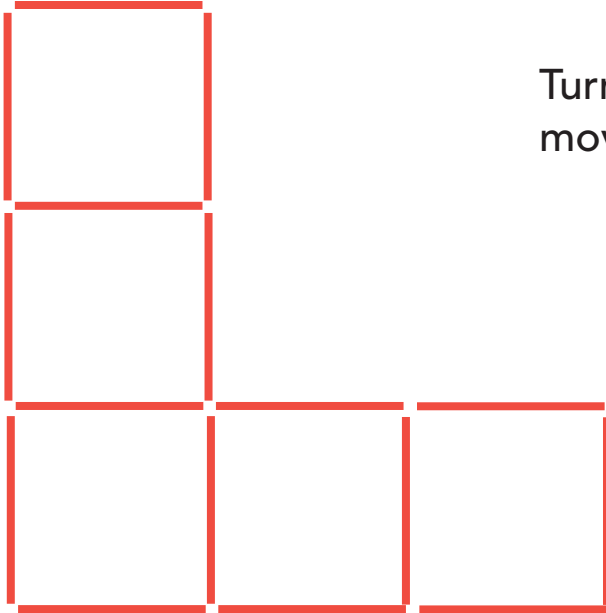
15



Correct the equation by moving two sticks.



16



Turn this into **4 squares** by moving four sticks.

