

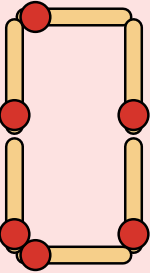
Matchstick Digits: Make a New Number

Name: _____

Date: _____

Add, take away or move just 1 matchstick to turn each number into the number in the box.

1. Add 1 stick.



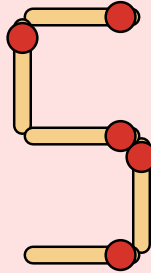
Make **8**

2. Add 1 stick.



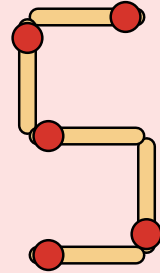
Make **7**

3. Add 1 stick.



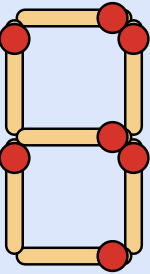
Make **6**

4. Add 1 stick.



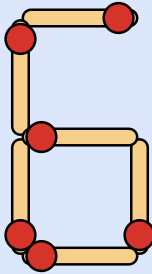
Make **9**

5. Take away 1.



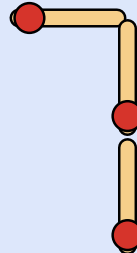
Make **0**

6. Take away 1.



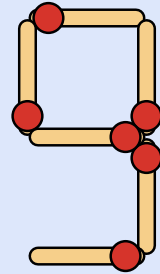
Make **5**

7. Take away 1.



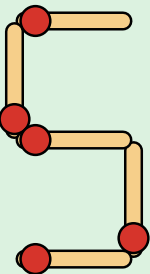
Make **1**

8. Take away 1.



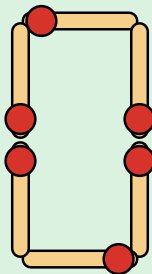
Make **5**

9. Move 1 stick.



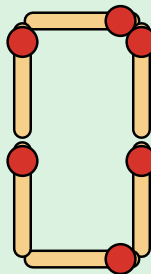
Make **3**

10. Move 1 stick.



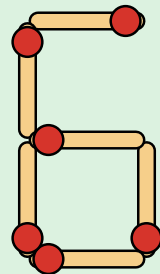
Make **6**

11. Move 1 stick.



Make **9**

12. Move 1 stick.



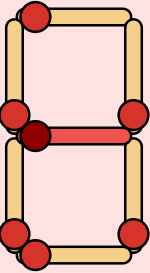
Make **0**

Matchstick Digits: Make a New Number

Answer Key

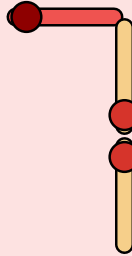
Add, take away or move just 1 matchstick to turn each number into the number in the box.

1. Add 1 stick.



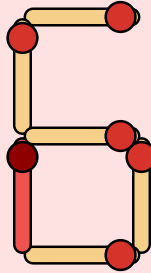
Make **8**

2. Add 1 stick.



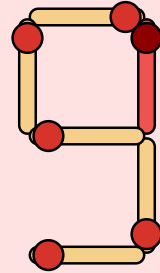
Make **7**

3. Add 1 stick.



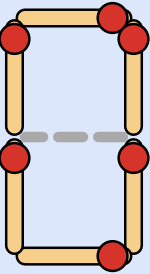
Make **6**

4. Add 1 stick.



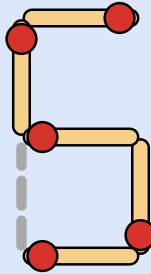
Make **9**

5. Take away 1.



Make **0**

6. Take away 1.



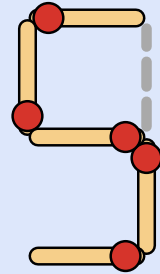
Make **5**

7. Take away 1.



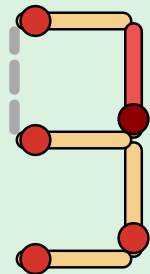
Make **1**

8. Take away 1.



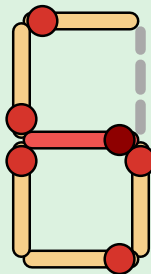
Make **5**

9. Move 1 stick.



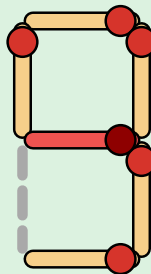
Make **3**

10. Move 1 stick.



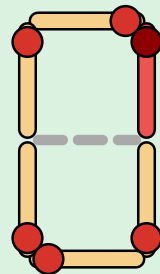
Make **6**

11. Move 1 stick.



Make **9**

12. Move 1 stick.



Make **0**

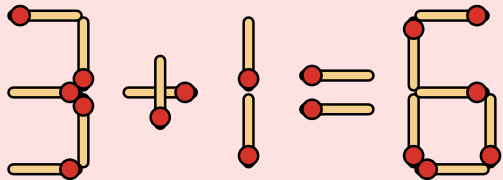
Move 1 Matchstick: Easy Addition Fixes

Name: _____

Date: _____

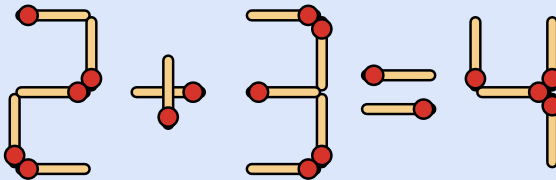
Each equation is wrong. Move just 1 matchstick to make it true. Write the new equation.

1.



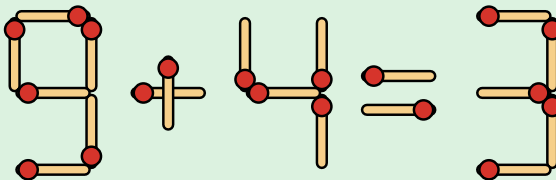
New equation:

2.



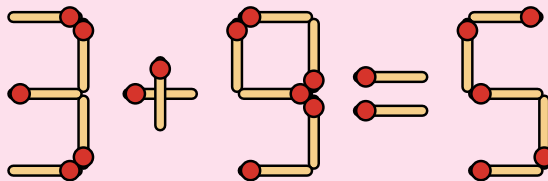
New equation:

3.



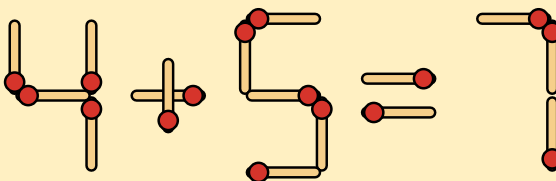
New equation:

4.



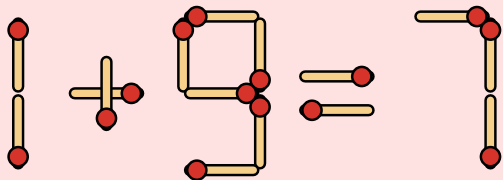
New equation:

5.



New equation:

6.



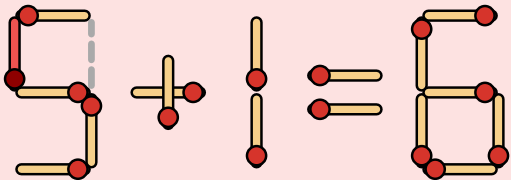
New equation:

Move 1 Matchstick: Easy Addition Fixes

Answer Key

Each equation is wrong. Move just 1 matchstick to make it true. Write the new equation.

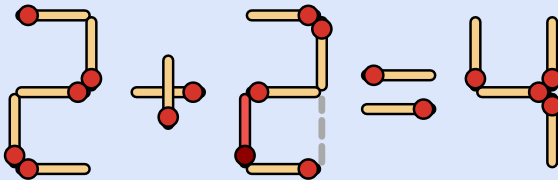
1.



New equation:

$$5 + 1 = 6$$

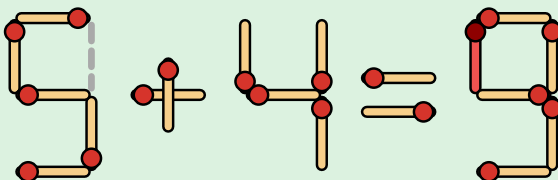
2.



New equation:

$$2 + 2 = 4$$

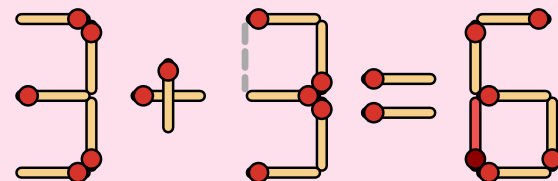
3.



New equation:

$$5 + 4 = 9$$

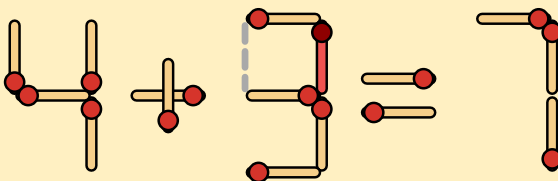
4.



New equation:

$$3 + 3 = 6$$

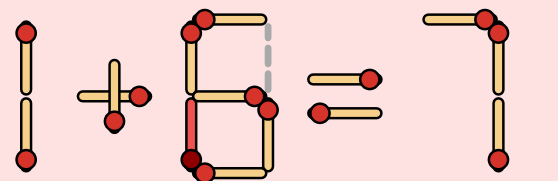
5.



New equation:

$$4 + 3 = 7$$

6.



New equation:

$$1 + 6 = 7$$

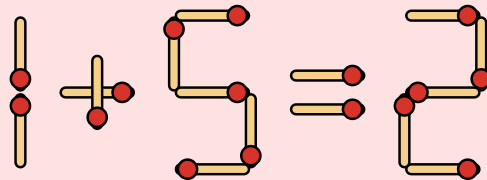
Move 1 Matchstick: Plus and Minus Puzzles

Name: _____

Date: _____

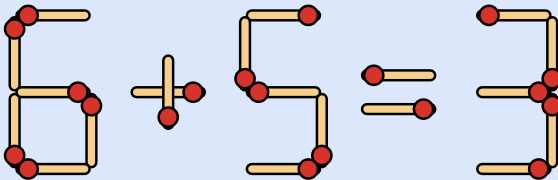
Move 1 matchstick to make each equation true. Sometimes the stick has to jump to the + or - sign!

1.



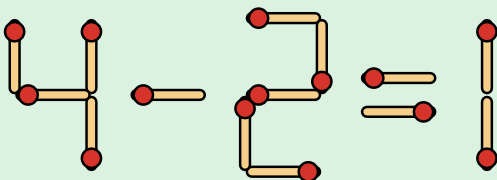
New equation:

2.



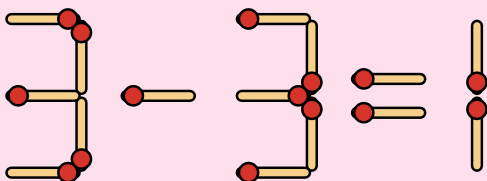
New equation:

3.



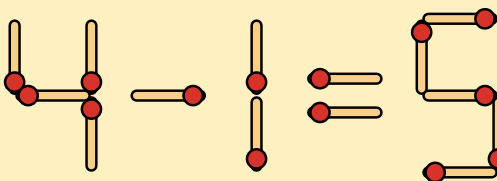
New equation:

4.



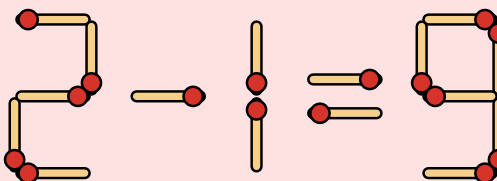
New equation:

5.



New equation:

6.



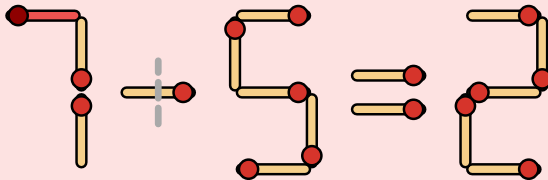
New equation:

Move 1 Matchstick: Plus and Minus Puzzles

Answer Key

Move 1 matchstick to make each equation true. Sometimes the stick has to jump to the + or - sign!

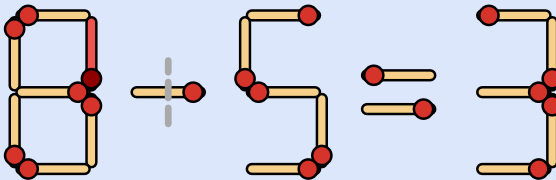
1.



New equation:

$$7 - 5 = 2$$

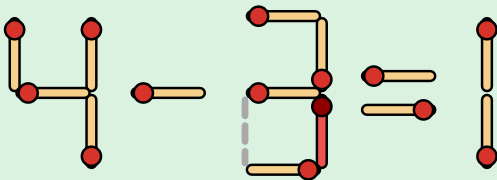
2.



New equation:

$$8 - 5 = 3$$

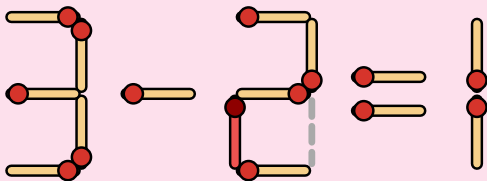
3.



New equation:

$$4 - 3 = 1$$

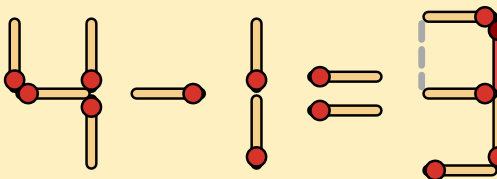
4.



New equation:

$$3 - 2 = 1$$

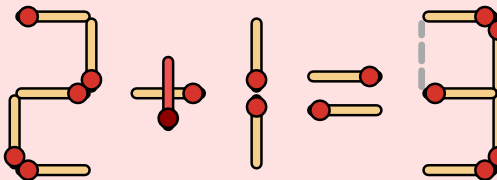
5.



New equation:

$$4 - 1 = 3$$

6.



New equation:

$$2 + 1 = 3$$

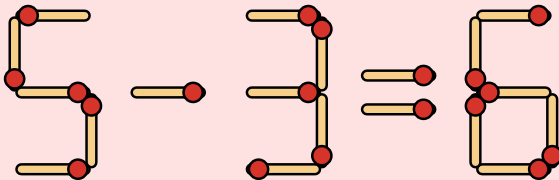
Add 1 Matchstick to Fix the Equation

Name: _____

Date: _____

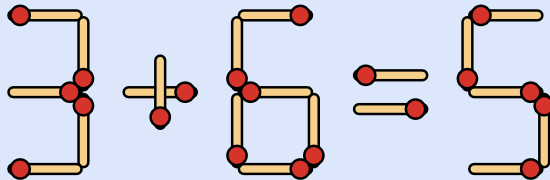
Put down 1 more matchstick to make each equation true. Draw it, then write the new equation.

1.



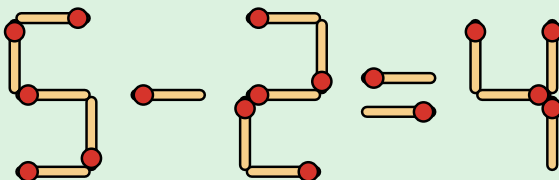
New equation:

2.



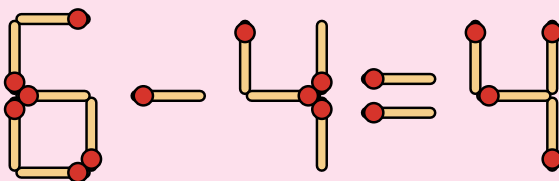
New equation:

3.



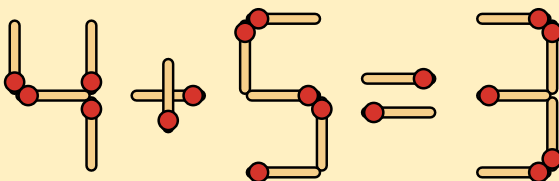
New equation:

4.



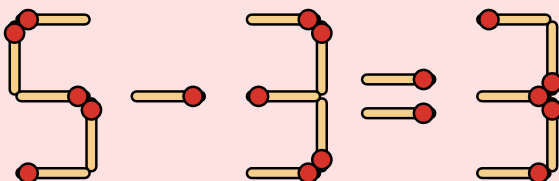
New equation:

5.



New equation:

6.



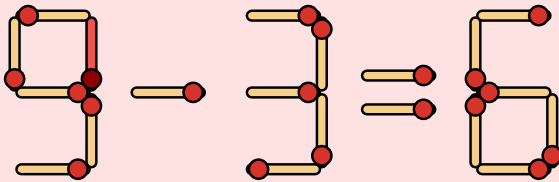
New equation:

Add 1 Matchstick to Fix the Equation

Answer Key

Put down 1 more matchstick to make each equation true. Draw it, then write the new equation.

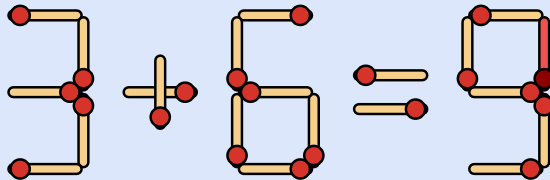
1.



New equation:

$$8 - 3 = 6$$

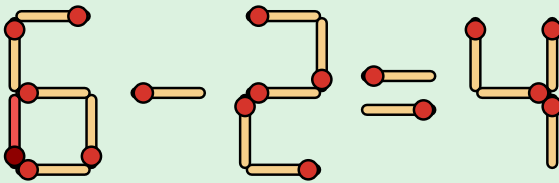
2.



New equation:

$$4 + 6 = 9$$

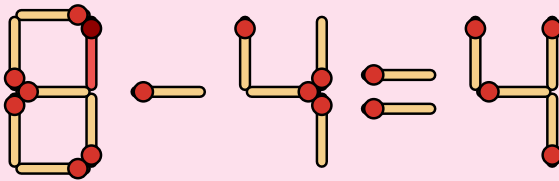
3.



New equation:

$$7 - 2 = 4$$

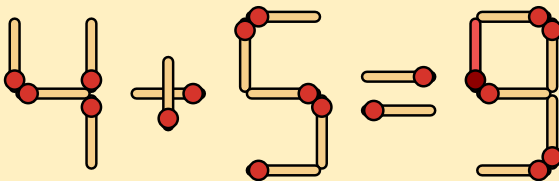
4.



New equation:

$$9 - 4 = 4$$

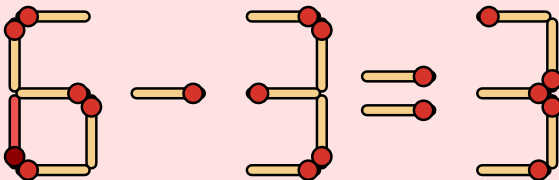
5.



New equation:

$$5 + 5 = 9$$

6.



New equation:

$$7 - 3 = 3$$

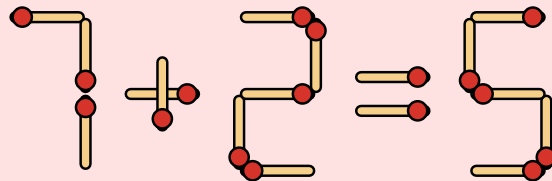
Take Away Matchsticks to Fix the Equation

Name: _____

Date: _____

Take away the number of matchsticks shown to make each equation true. Cross them out.

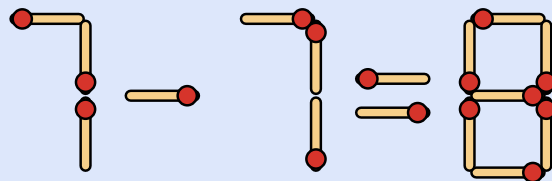
1.



New equation:

Take away 1

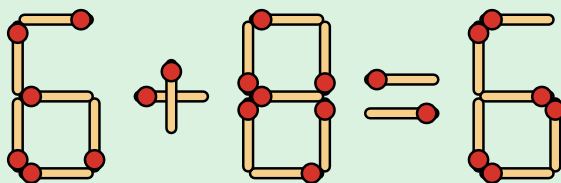
2.



New equation:

Take away 1

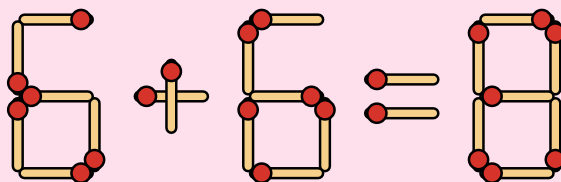
3.



New equation:

Take away 1

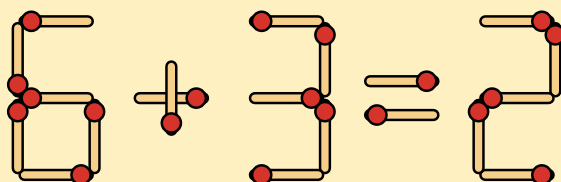
4.



New equation:

Take away 2

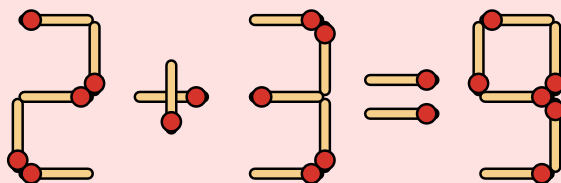
5.



New equation:

Take away 2

6.



New equation:

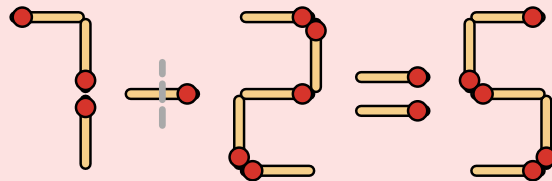
Take away 2

Take Away Matchsticks to Fix the Equation

Answer Key

Take away the number of matchsticks shown to make each equation true. Cross them out.

1.

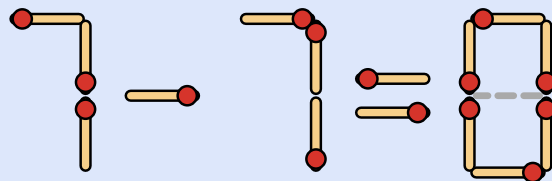


New equation:

$$7 - 2 = 5$$

Take away 1

2.

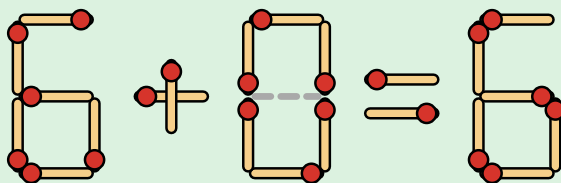


New equation:

$$7 - 7 = 0$$

Take away 1

3.

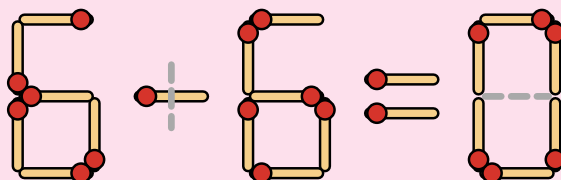


New equation:

$$6 + 0 = 6$$

Take away 1

4.

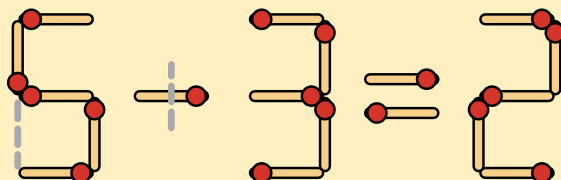


New equation:

$$6 - 6 = 0$$

Take away 2

5.

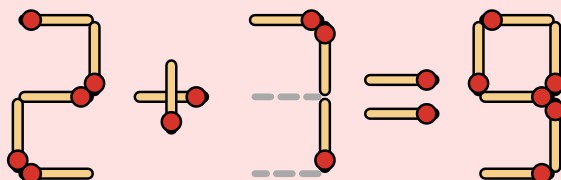


New equation:

$$5 - 3 = 2$$

Take away 2

6.



New equation:

$$2 + 7 = 9$$

Take away 2

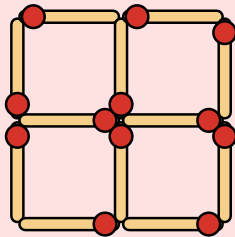
Count Squares and Triangles in Matchsticks

Name: _____

Date: _____

Count every shape, big and small. Then count the matchsticks. Look for the big shapes hiding inside!

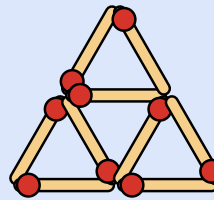
1.



How many squares?

How many sticks?

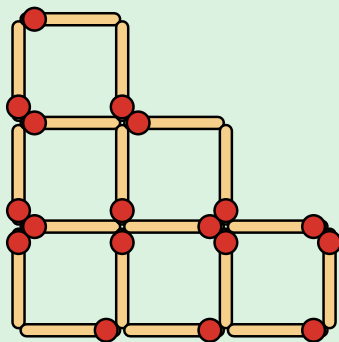
2.



How many triangles?

How many sticks?

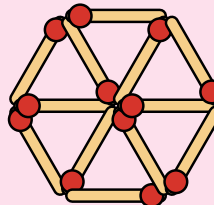
3.



How many squares?

How many sticks?

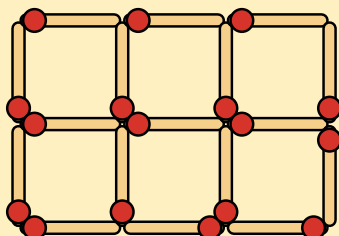
4.



How many triangles?

How many sticks?

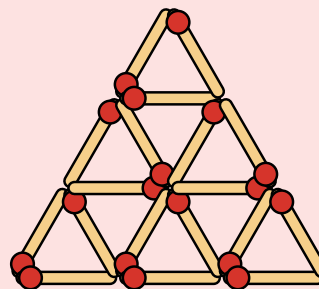
5.



How many squares?

How many sticks?

6.



How many triangles?

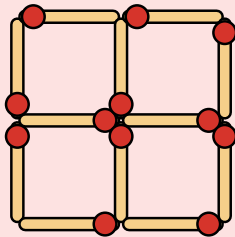
How many sticks?

Count Squares and Triangles in Matchsticks

Answer Key

Count every shape, big and small. Then count the matchsticks. Look for the big shapes hiding inside!

1.



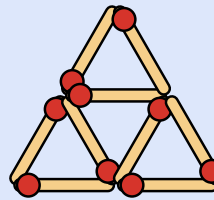
How many squares?

5

How many sticks?

12

2.



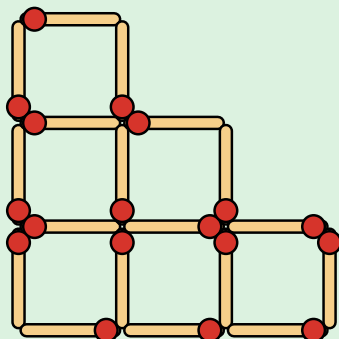
How many triangles?

5

How many sticks?

9

3.



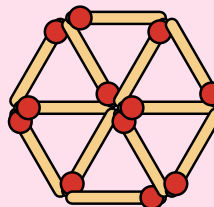
How many squares?

7

How many sticks?

18

4.



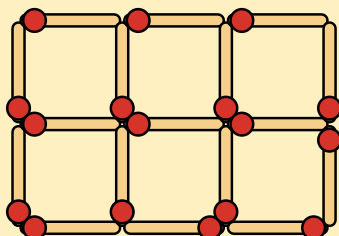
How many triangles?

6

How many sticks?

12

5.



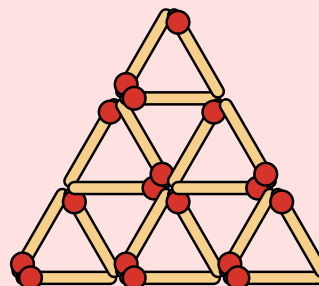
How many squares?

8

How many sticks?

17

6.



How many triangles?

13

How many sticks?

18

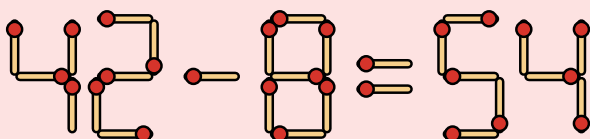
Move 1 Matchstick: Two-Digit Equations

Name: _____

Date: _____

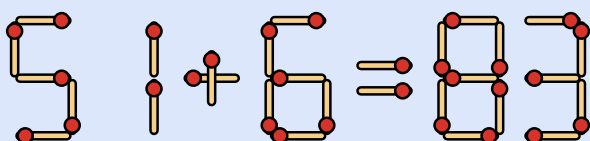
Each equation with bigger numbers is wrong. Move 1 matchstick to make it true.

1.



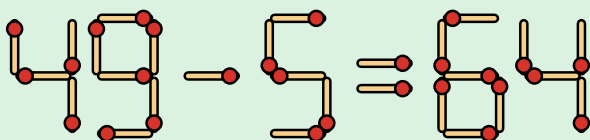
New equation:

2.



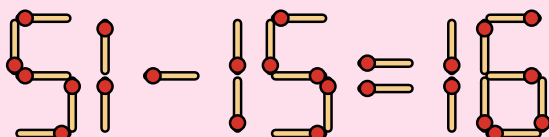
New equation:

3.



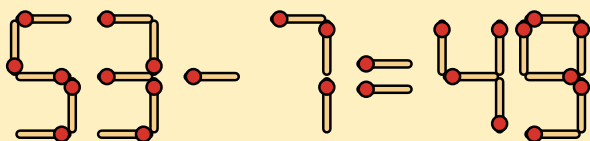
New equation:

4.



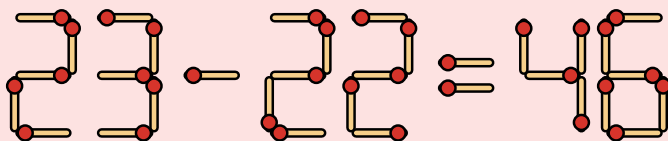
New equation:

5.



New equation:

6.



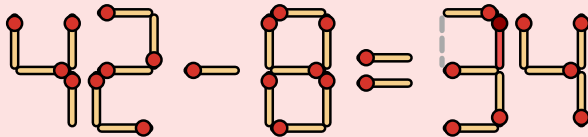
New equation:

Move 1 Matchstick: Two-Digit Equations

Answer Key

Each equation with bigger numbers is wrong. Move 1 matchstick to make it true.

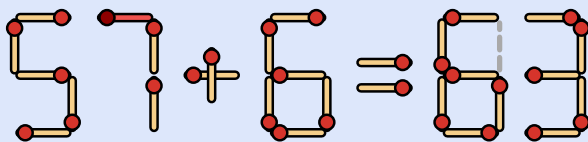
1.



New equation:

$$42 - 8 = 34$$

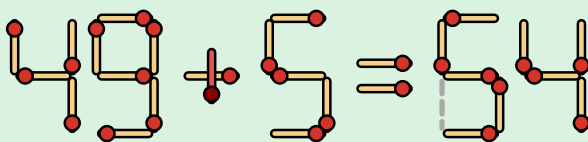
2.



New equation:

$$57 + 6 = 63$$

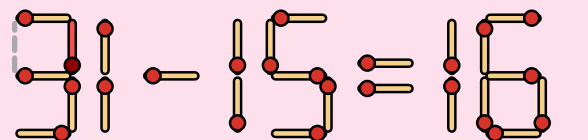
3.



New equation:

$$49 + 5 = 54$$

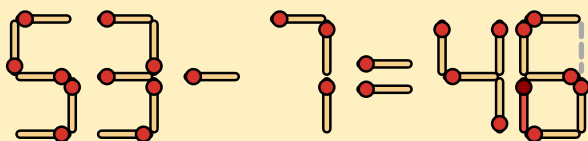
4.



New equation:

$$31 - 15 = 16$$

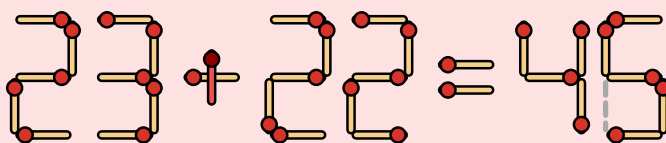
5.



New equation:

$$53 - 7 = 46$$

6.



New equation:

$$23 + 22 = 45$$

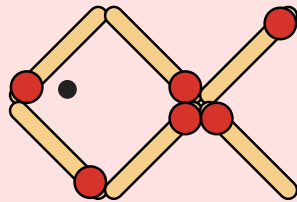
Matchstick Shapes: Fish, House and Glass

Name: _____

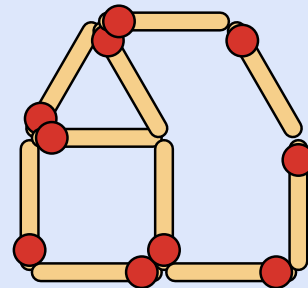
Date: _____

Solve each picture puzzle. Draw the new shape or use real sticks (toothpicks or craft sticks).

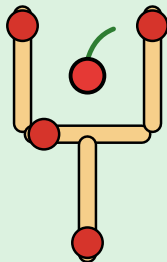
- 1.** Move 2 sticks so the fish swims the other way.



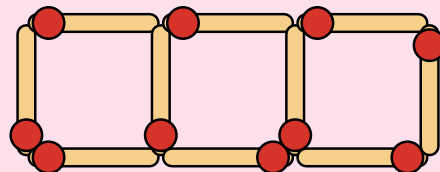
- 2.** Move 2 sticks so the house faces the other way.



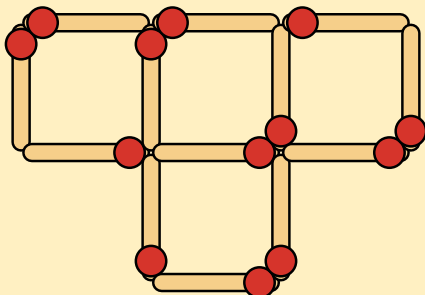
- 3.** Move 2 sticks to get the cherry out of the glass.



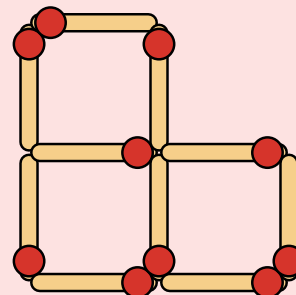
- 4.** Take away 2 sticks to leave 2 squares.



- 5.** Take away 1 stick to leave 3 squares.



- 6.** Move 2 sticks to make 2 squares (one big, one small).

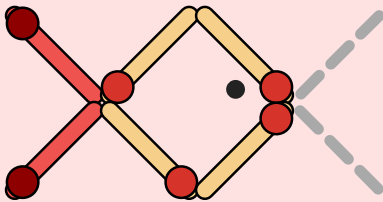


Matchstick Shapes: Fish, House and Glass

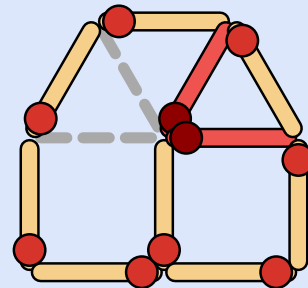
Answer Key

Solve each picture puzzle. Draw the new shape or use real sticks (toothpicks or craft sticks).

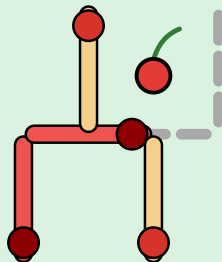
- 1.** Move 2 sticks so the fish swims the other way.



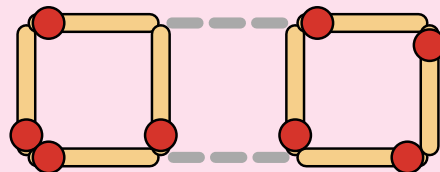
- 2.** Move 2 sticks so the house faces the other way.



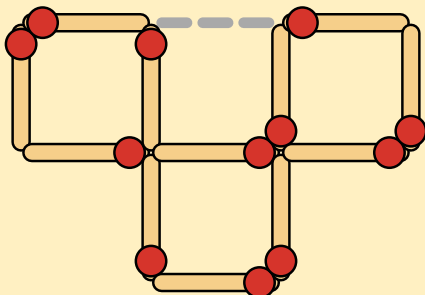
- 3.** Move 2 sticks to get the cherry out of the glass.



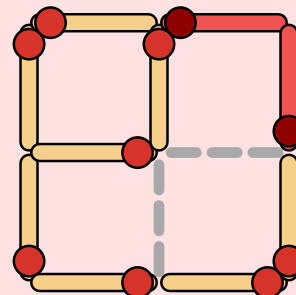
- 4.** Take away 2 sticks to leave 2 squares.



- 5.** Take away 1 stick to leave 3 squares.



- 6.** Move 2 sticks to make 2 squares (one big, one small).



One possible answer

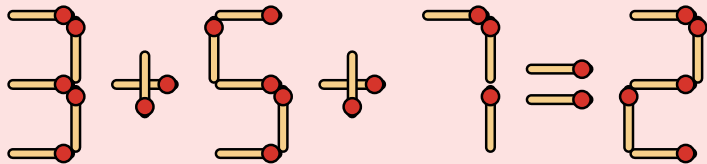
Move 1 Matchstick: Three-Number Equations

Name: _____

Date: _____

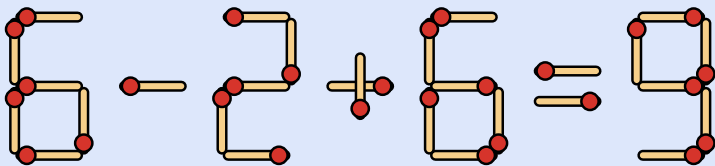
These equations have three numbers on the left. Move 1 matchstick to make each one true.

1.



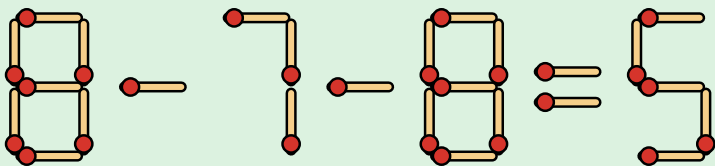
New equation:

2.



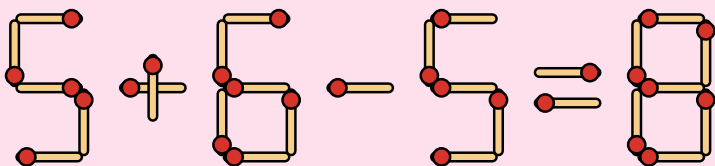
New equation:

3.



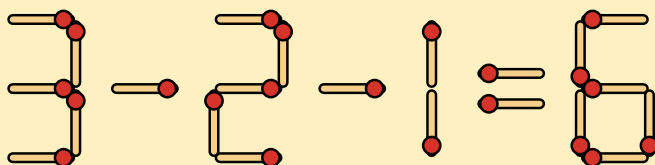
New equation:

4.



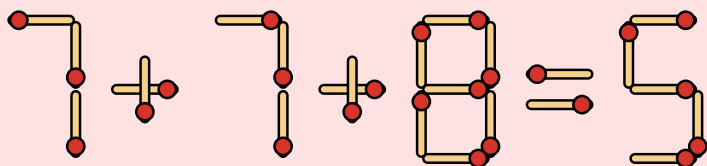
New equation:

5.



New equation:

6.



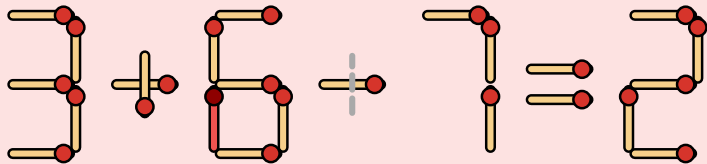
New equation:

Move 1 Matchstick: Three-Number Equations

Answer Key

These equations have three numbers on the left. Move 1 matchstick to make each one true.

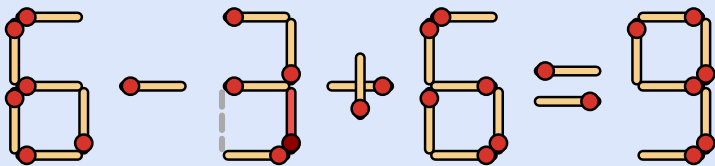
1.



New equation:

$$3 + 6 - 7 = 2$$

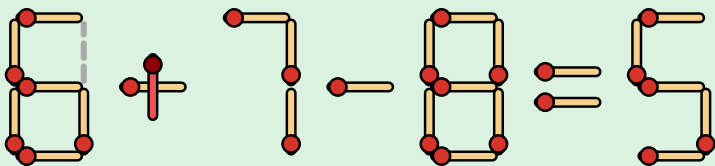
2.



New equation:

$$6 - 3 + 6 = 9$$

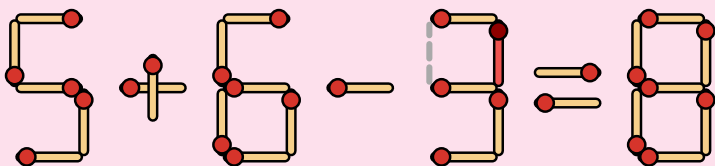
3.



New equation:

$$6 + 7 - 8 = 5$$

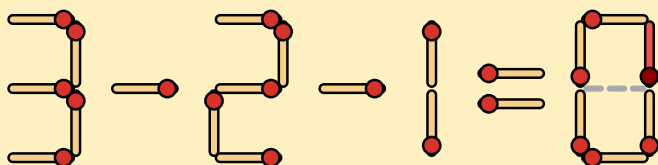
4.



New equation:

$$5 + 6 - 3 = 8$$

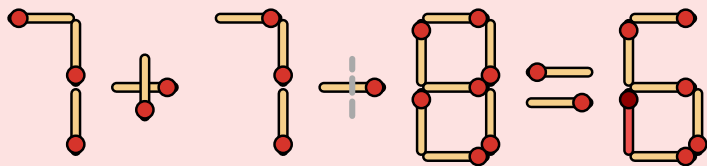
5.



New equation:

$$3 - 2 - 1 = 0$$

6.



New equation:

$$7 + 7 - 8 = 6$$

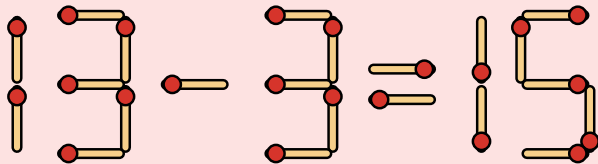
Move 2 Matchsticks: Hard Equation Puzzles

Name: _____

Date: _____

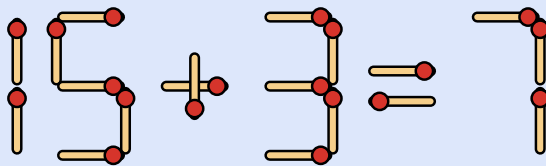
Hard mode: move exactly 2 matchsticks to make each equation true. There is only one way!

1.



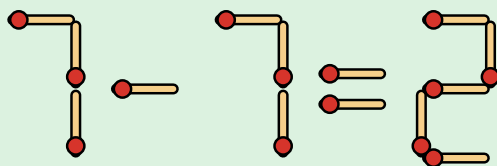
New equation:

2.



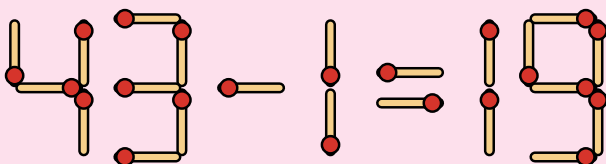
New equation:

3.



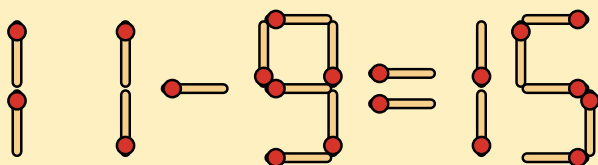
New equation:

4.



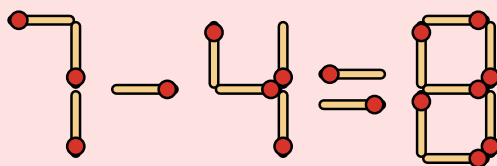
New equation:

5.



New equation:

6.



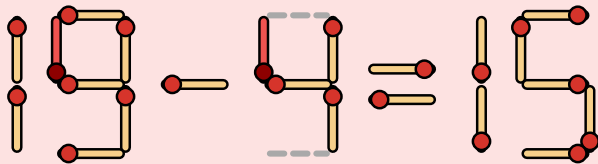
New equation:

Move 2 Matchsticks: Hard Equation Puzzles

Answer Key

Hard mode: move exactly 2 matchsticks to make each equation true. There is only one way!

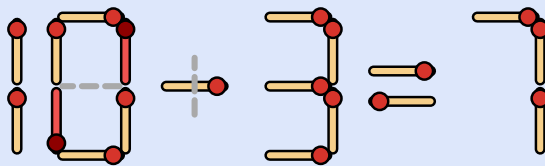
1.



New equation:

$$19 - 4 = 15$$

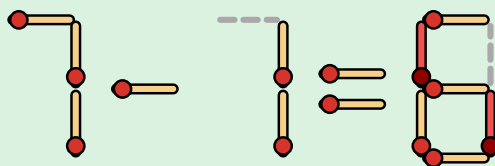
2.



New equation:

$$10 - 3 = 7$$

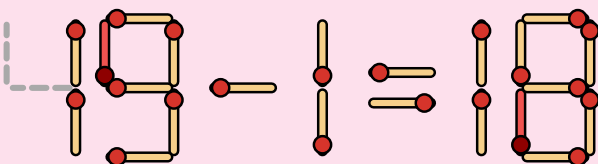
3.



New equation:

$$7 - 1 = 6$$

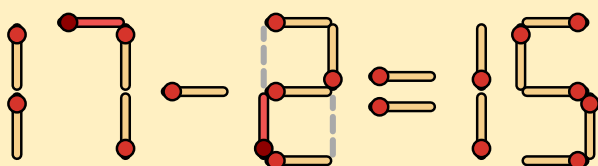
4.



New equation:

$$19 - 1 = 18$$

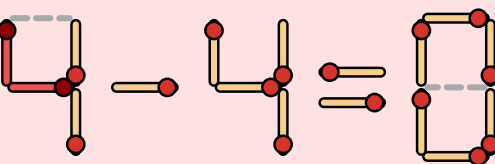
5.



New equation:

$$17 - 2 = 15$$

6.



New equation:

$$4 - 4 = 0$$

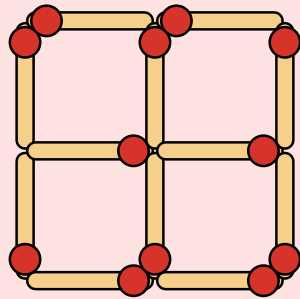
Matchstick Square Challenges

Name: _____

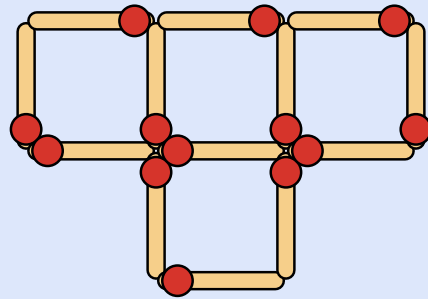
Date: _____

Hard square puzzles. Count every square, big and small, and leave no loose sticks.

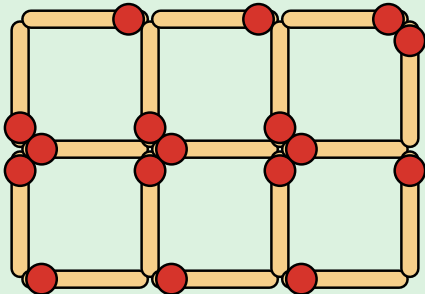
1. Move 3 sticks to make 3 squares.



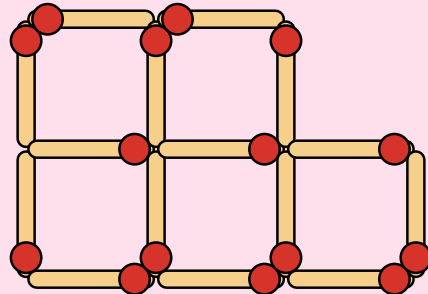
2. Move 2 sticks to make 3 squares.



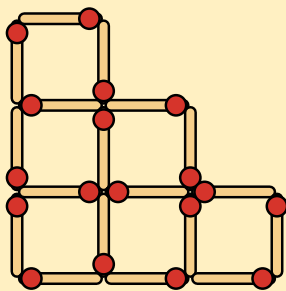
3. Take away 3 sticks to leave 2 squares.



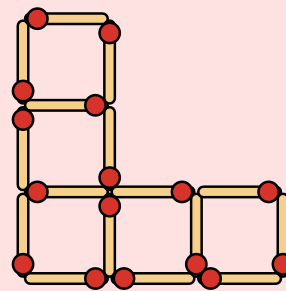
4. Take away 3 sticks to leave 5 squares.



5. Take away 4 sticks to leave 3 squares.



6. Take away 4 sticks to leave 3 squares.

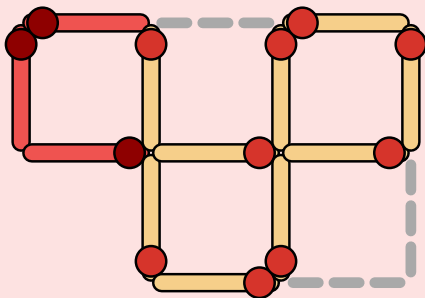


Matchstick Square Challenges

Answer Key

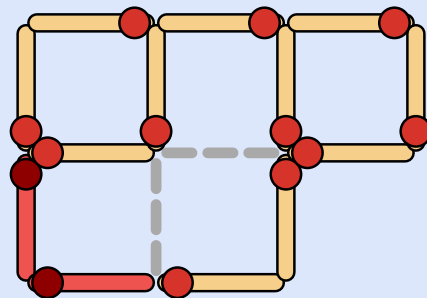
Hard square puzzles. Count every square, big and small, and leave no loose sticks.

1. Move 3 sticks to make 3 squares.



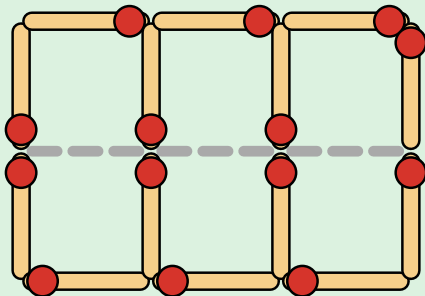
One possible answer

2. Move 2 sticks to make 3 squares.

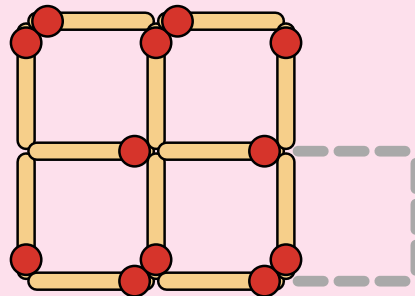


One possible answer

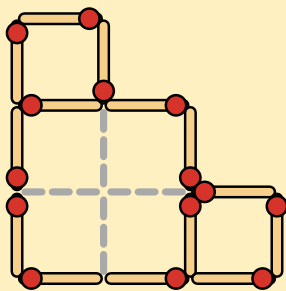
3. Take away 3 sticks to leave 2 squares.



4. Take away 3 sticks to leave 5 squares.



5. Take away 4 sticks to leave 3 squares.



6. Take away 4 sticks to leave 3 squares.

