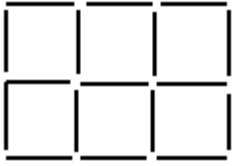


# Toothpick Puzzles

## Puzzle #1

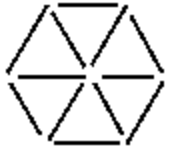
Use 17 toothpicks to construct this figure:



- Remove 5 toothpicks and leave 3 squares.
  - Remove 6 toothpicks and leave 2 squares.
- 

## Puzzle #2

Make this figure with 12 toothpicks:



- Remove 4 toothpicks and leave 3 triangles.
  - Move 4 toothpicks and form 3 triangles.
- 

## Puzzle #3

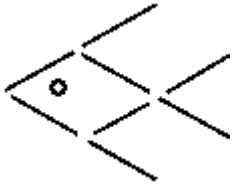
With 9 toothpicks, make this figure:



- Remove 2 toothpicks and leave 3 triangles.
  - Remove 3 toothpicks and leave 1 triangle.
  - Remove 6 toothpicks and get 1 triangle.
  - Remove 4 toothpicks and get 2 triangles.
  - Remove 2 toothpicks and get 2 triangles.
-

#### Puzzle #4

Use 8 toothpicks and 1 button to form a fish:

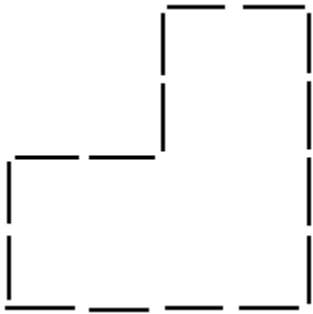


Move 3 toothpicks and the button to make this fish swim in the opposite direction.

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#### Puzzle #5

Two farmers have land this shape:



- The first farmer wants to divide her land evenly among her 3 daughters. Add 4 toothpicks to form three parcels of equal size and identical shape.
  - The second farmer wants to divide her land evenly among her 4 daughters. Use 8 toothpicks to form four parcels of equal size and identical shape.
- 

#### Puzzle #6

Use 6 toothpicks to form 4 equilateral triangles.

# Toothpick Puzzle Answers

