BIG COIN CHALLENGE
Reverse the Triangle

Your Objective:

Sliding one coin at a time, move exactly three coins to reverse the triangle so that it points in the opposite direction from where it started.
BIG COIN CHALLENGE

Rearrange the Coins

Your Objective:

Take three pennies and three nickels and arrange them in a row, alternating penny and nickel. The goal is to move them so that the coins are once more in a row, but with all of the pennies to the right of all the nickels. Each move consists in placing your index and middle finger on a pair of adjacent coins, and sliding those two coins to a new position (no rotating allowed!). This can be done in three moves.
Your Objective:
Take six pennies and arrange them in a triangle, as shown. Your challenge is to rearrange the pennies into a hexagon in four moves. Each move consists of sliding a single penny to a new location. Note: each time you move a coin to a new location, it must be touching at least two other pennies.
Your Objective:
Take eight pennies and arrange them in row. Your goal is end up with four piles of two pennies each. Each move involves picking up a penny, jumping in either direction over two "piles" (a pile being defined as either a single coin or a stack of two coins), and landing on another single penny or a pile of two coins. The challenge is to do this in four moves.

Note: The four final piles don’t have to be adjacent! The final position below is not the solution.
BIG COIN CHALLENGE

Reverse the Triangle

Solution:

[Diagram of the Big Coin Challenge]
Solution:

The red bars show the pairs of coins that are moved at each step:
BIG COIN CHALLENGE

Triangle to Hexagon

Solution:

1. Start with a triangle formation of coins.
2. Rotate the coins to form a hexagon.
3. Continue rotating to complete the transformation.

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Solution:

Jumping the Coins

Diagram showing the coins in a line and then jumping them over each other to solve the challenge.