

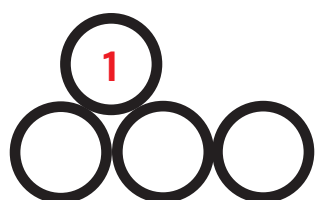
Adobe SUMMIT

Sliding Penny Puzzles

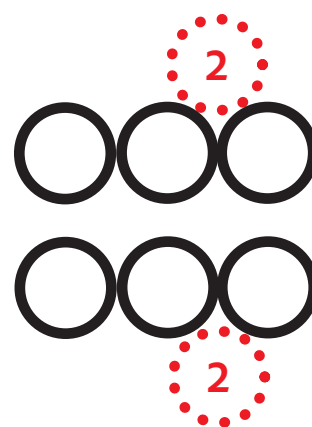
GOAL Create a new configuration of pennies using as few moves as possible, sliding one penny at a time.

RULES

- Start with the given configuration of pennies.
- Sliding one penny at a time, using as few moves as possible, rearrange the pennies into the new configuration.
- You can only move a pennies by sliding (no picking up and dropping).
- The pennies must be touching two other coins in every new location.



GOOD MOVES →



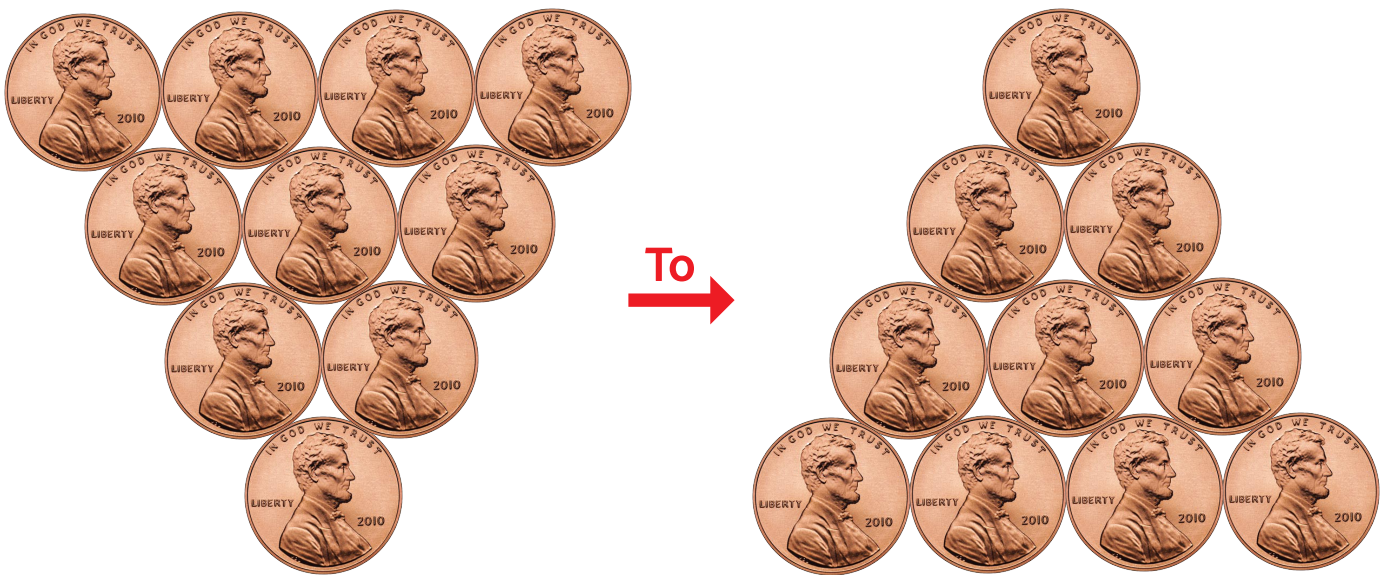
- The coins cannot become unlinked at any point during a move.



Let's get started!

Flip the Pyramid

- Arrange 10 pennies into the downward-facing pyramid shape shown below.
- Slide one penny at a time to form an upward-facing pyramid.
- Accomplish this puzzle in 3 moves.



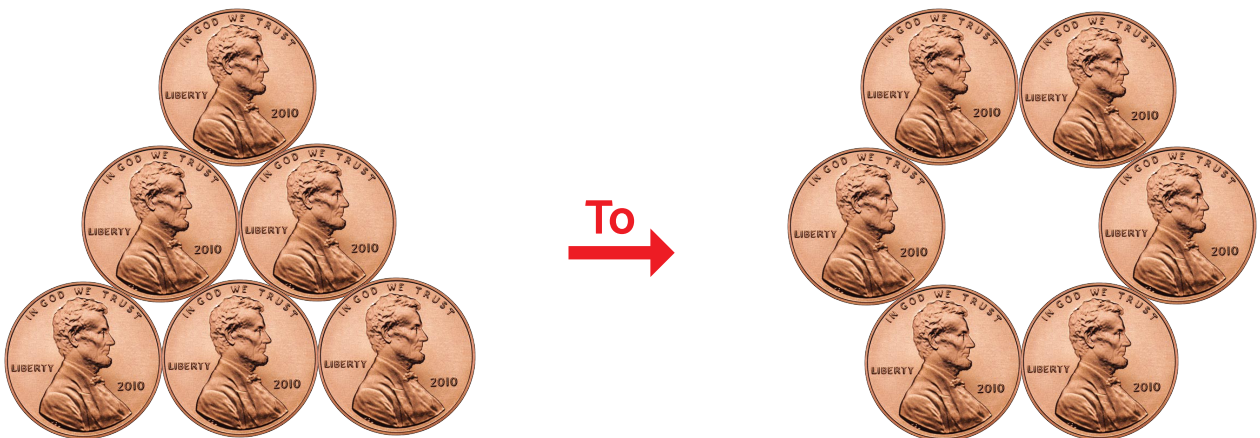
Make a Square

- Arrange 9 pennies into the triangle shape shown below.
- Slide one penny at a time to form a square
- Accomplish this puzzle in 2 moves.



Make a Hexagon

- Arrange 6 pennies into the pyramid shape shown below.
- Slide one penny at a time to form a hexagon.
- Accomplish this puzzle in 4 moves.
- Remember — you can't pick up the pennies, and each penny must move into a position where it is touching at least two other pennies.



Check out the next PDF for solutions!