

# Slinky Stretch

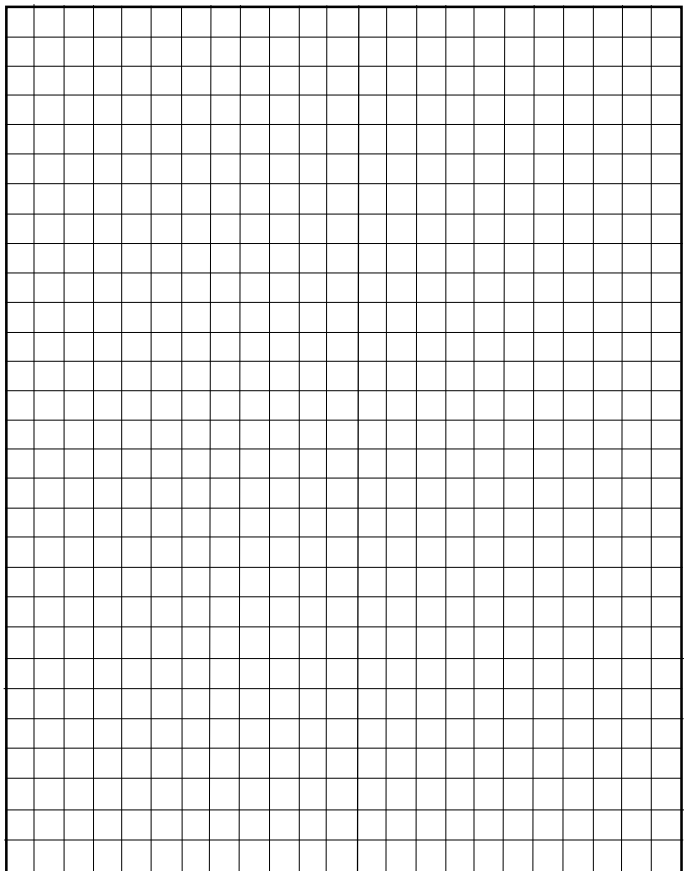
Materials: 1 bag of coins, 12 of each kind; 2 meter sticks, masking tape, and slinky with cup attached.

Procedures: Tape one end of one of a yardsticks from the end of the table (60 cm overhang is best). Suspend the slinky from the end of the yardstick by sliding two coils onto the yardstick. Next, remove 12 coins of the same type. After measuring the height of the cup from the floor with no coins and recording your data in a table, add one of the coins. Measure the new height of the cup. Continue adding coins one at a time and measuring the height until all your coins have been used, or until the cup touches the floor.

Complete the table, rule and graph for your collected data.

coin: \_\_\_\_\_ coin: \_\_\_\_\_

# of coins	height (cm) from the floor	# of coins	height (cm) from the floor



What pattern do you see? \_\_\_\_\_

What is the rule? \_\_\_\_\_

Describe what each of your lines on the graph represent. \_\_\_\_\_

\_\_\_\_\_