

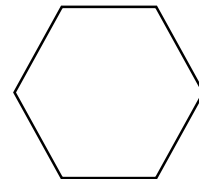
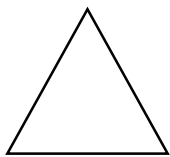
Question to investigate: Is there a relationship between the height a ball is dropped from and the height of its first bounce?

Use a table, graph and rule to justify your answer.

Question to investigate: How does the number of layers of a paper bridge relate to the number of pennies it can hold?

Use a table graph and rule to justify your answer.

You have rented a space for a party. The caterer has three types of table shapes that you can rent from him. You would like seating for 100. Because the room you have rented is long and skinny, you must connect each of the tables to another by one side in a long row.



Determine how many of each table will be needed in order to seat all 100 people.

Create a table and rule to justify your answer.