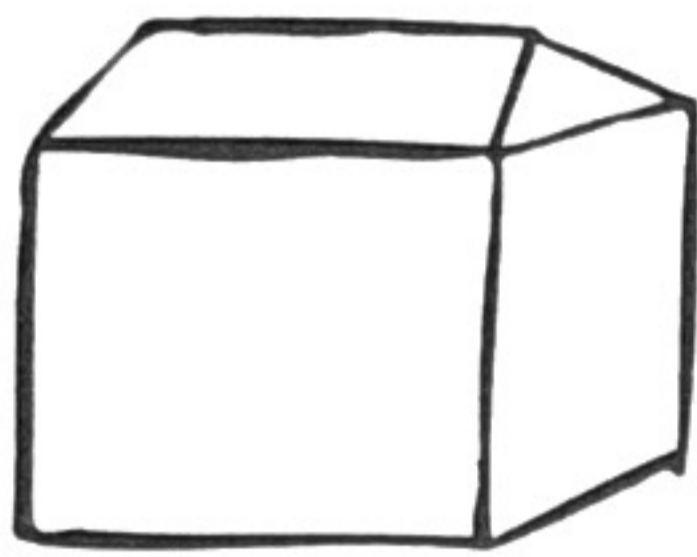
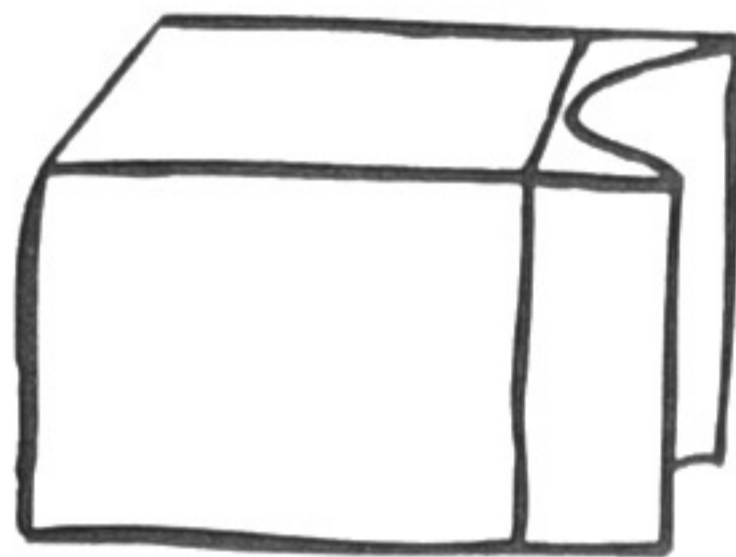


Boats in the gutter

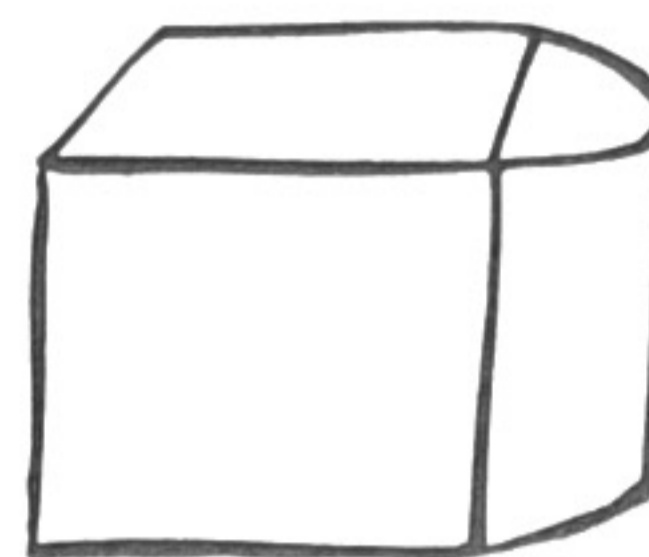
Some children decided to investigate how different-shaped boats travel through water. They made boats from balsa wood. Each boat had a different shape:



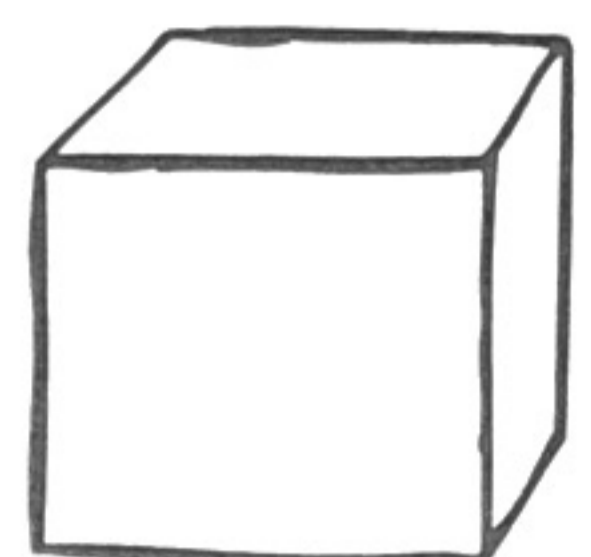
Adnan's boat



Bethan's boat

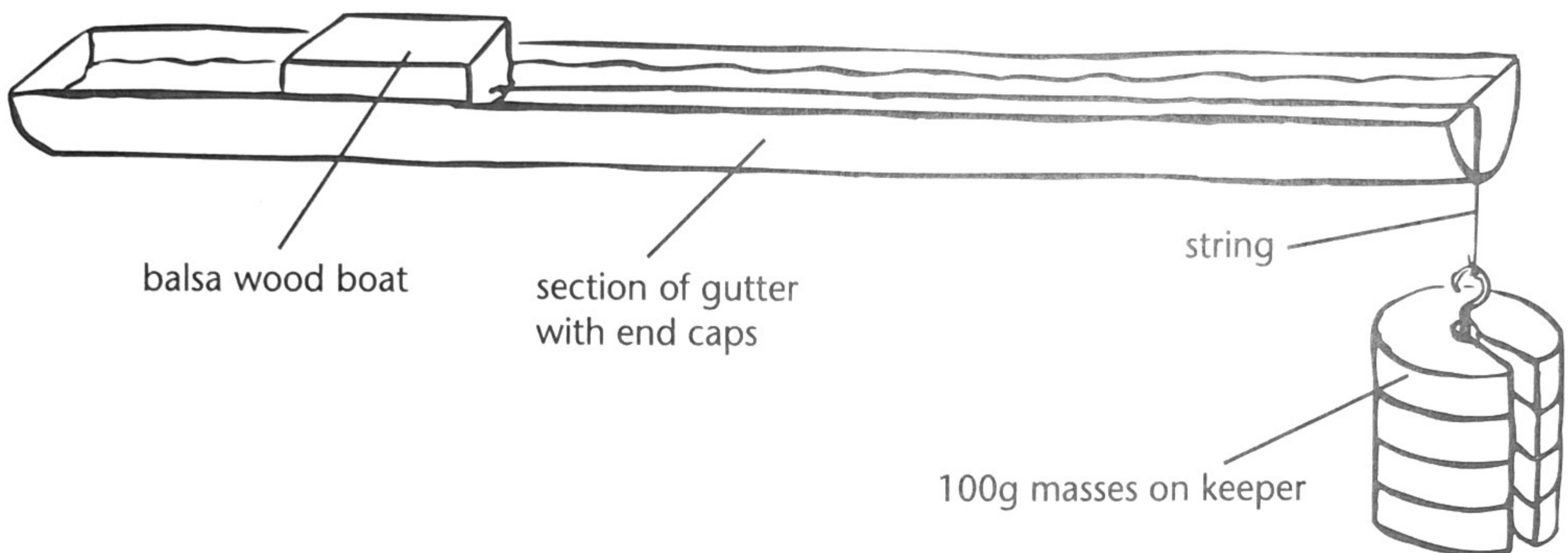


Carly's boat



Darren's boat

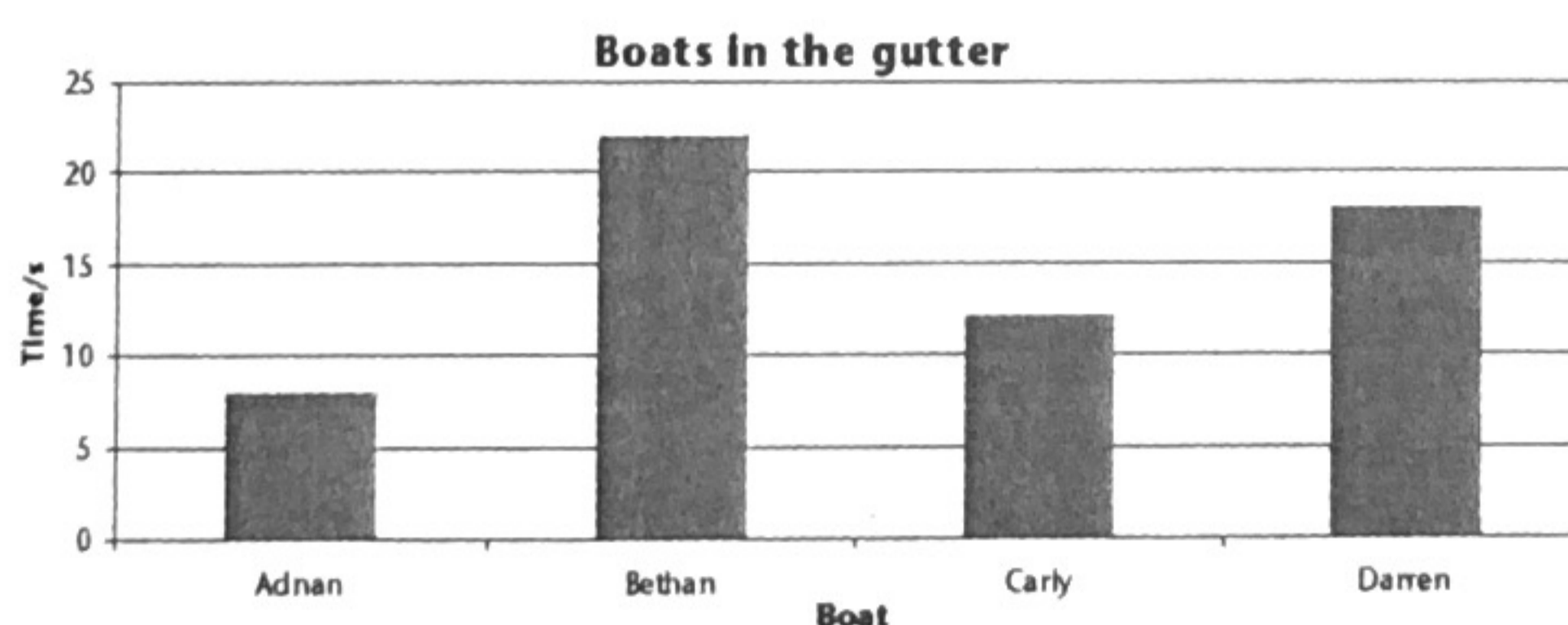
They carried out an investigation by using weights to drag each boat through water in a length of gutter. They timed how long the boat took to get from one end to the other.



Questions

1. Predict which boat will be the fastest.
2. Explain your prediction scientifically.
3. Name three things the children should have kept the same to make the investigation a fair test.

This is a graph of the children's results.



4. Which boat was actually the quickest? Use the graph to decide.
5. Which boat was the slowest?
6. How did you know that from the graph?
7. How long did it take for Carly's boat to travel along the gutter?
8. Draw a different shape for a boat and predict how long it will take to travel the same distance.