

Crossing the River Lab

Question:

For a boat heading straight across a river, how does a change in the boat speed affect the crossing time and the downstream distance? How does a change in current speed affect the crossing time and the downstream distance?

Purpose:

To determine the effect of varying boat speeds on the crossing time and the downstream distance for a boat which **heads** straight across a river **AND** to determine the effect of varying current speeds on the crossing time and the downstream distance for a boat which **heads** straight across a river.

Data:

Make an effort to systematically collect data that allows you to answer the two multi-part questions above. Organized your data into data tables with appropriately labeled column headings and units. Collect a sufficient amount of data to suitably answer the given questions.

Conclusion:

Re-read the Purpose (or Question) of this lab. Then make a claim that answers the question implied in the Purpose. Support your claim by citing some evidence and using reasoning to explain how the evidence logically leads to the claim that you are making. Write well to reveal your understanding.