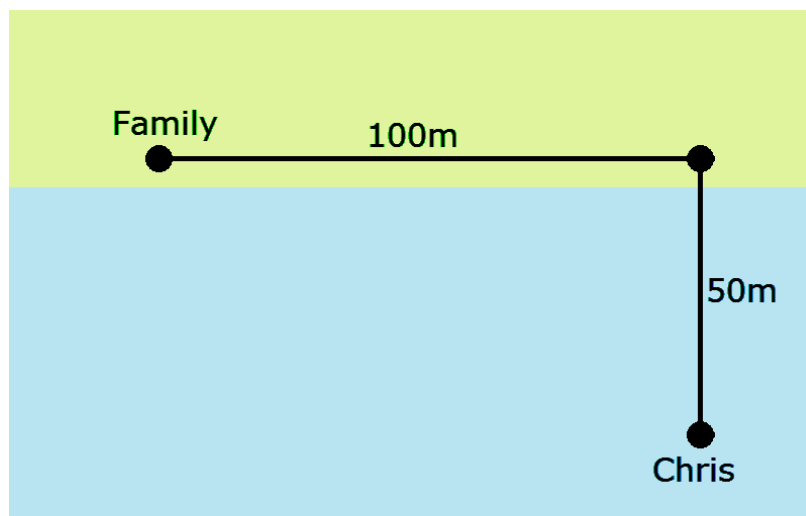


Chris is swimming in a lake, 50m from the shore.

Her family are 100m along the shore.



She'd like to get back to her family as quickly as possible.

**If she can swim at 3 m/sec and run at 7m/sec, how far along the shore should she land in order to get back as quickly as possible?**