Crossing the Bridge

Four friends: Matt, Helen, Tom and Asha, need to cross a bridge. They start on the same side of the bridge.

A maximum of two people can cross at any time.

It is night and they have just **one lamp**. People that cross the bridge must carry the lamp to see the way.

A pair must walk together at the rate of the slower person:

- Matt: - takes **1 minute** to cross
- Helen: - takes **2 minutes** to cross
- Asha: - takes **7 minutes** to cross
- Tom: - takes **10 minutes** to cross

The fastest takes **17 minutes**. Can you work out how it is done?