

Quant SC

Tuesday, April 6th

Brain Teaser

Four people (A, B, C, D) need to get across a river through a bridge that holds 2 people at a time. They must use a flashlight when crossing the bridge, and they only have 1 flashlight. Each pair of people can only walk at the speed of the slower person. They need to all get to the other side as quick as possible. A takes 10 minutes to cross; B takes 5 minutes; C takes 2 minutes; D takes 1 minute. What is the minimum time for all of them to cross the bridge?

Brain Teaser Answer

Key point: 10-minute person should go with the 5 minute person but not in the first crossing.

C and D should go first (2 min).

Send D back (1 min).

A and B cross next (10 min).

Send C back (2 min).

C and D cross again (2 min).

Total: 17 minutes.

Project Shares

Tell us about:

1. What you are working on
2. Progress you have made
3. Questions for us
4. Next steps

Forms

- CMU Event
- Quant SC Feedback
- E-board Future

Breakout Rooms!

The background features abstract, flowing shapes in shades of orange and red. On the left, there are overlapping orange waves. On the right, there are overlapping red waves that transition into a lighter pink area at the top right corner.