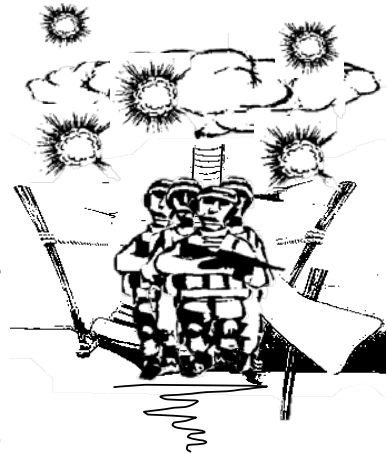


AIRSTRIKE - CRITICAL THINKING

NAME: _____

Four injured military men are stuck in enemy territory on one side of a bridge and have issued an airstrike which will destroy everything in the area in 17 minutes. They need to cross the bridge to safety, but it is heavily mined and they only have one mine detector. The mines are constantly moving which makes them impossible to mark. This means the mine detector needs to be taken back and forth so no one blows up. Of course it cannot be thrown either. In addition, the bridge is old and can only hold two people at a time. Each man has different injuries and can walk at different speeds. When a pair crosses they must walk together at the rate of the slower man.



Tank lost a foot and will take five minutes to cross.
Clark has only scratches and bruises and will take one minute to cross.
Skippy has many injuries and will take ten minutes to cross.
Hershel lost an arm and is very tired and will take two minutes to cross.

How can all four men make it across before the airstrike comes?

Example: If Hershel and Tank cross together, it will take 5 minutes to get to the other side and if Tank comes back with the mine detector it will take another 5 minutes for him to return (10 minutes total) which would not leave them enough time to get everyone across before the airstrike. BOOM-BOOM!

ANSWER AND HELP

Clark and Hershel cross first	2 minutes
Clark returns with the mine detector	1 minute
Tank and Skippy cross	10 minutes
Hershel comes back with the mine detector	2 minutes
Clark and Hershel cross again	<u>2 minutes</u>
Total time:	17 minutes

Other answers could exist.