

Coyote Creek Math Challenge

Logic

You can complete your solution on the BACK of this paper or use your own paper.

To enter the prize draw
place your solution in the
MATH CHALLENGE
box at the office!

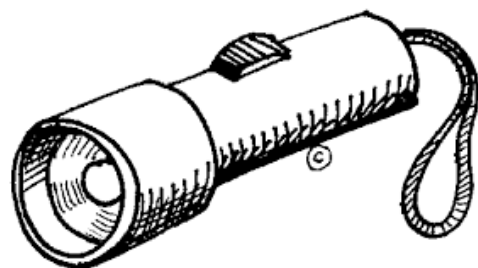
Don't forget your name
and division!!

Four friends need to cross a river in the dead of night (there is no moon to light the way). They only have one flashlight which only has 17 minutes left of power. The bridge they must cross can only hold two people at a time. When two people walk on the bridge, they must walk at the rate of the slower person since they need to carry the flashlight together. Everyone must walk - no one can be carried.

- Adrian takes 1 minute to cross
- Jane takes 7 minutes to cross
- Violet takes 2 minutes to cross
- Ellie takes 10 minutes to cross (she has a broken toe)

Can you explain a way that they can all cross the bridge in 17 minutes or less?

- Be sure to show/explain your work!



Math Challenge Solution!

Name: _____ Division: _____