



CROSSING THE RIVER

You are on a camping trip with your family and your friend's family during a summer vacation. Your party consists of 6 adults and four children. While on a hike, you come upon a river that you need to cross in order to continue on your hiking trail. At the edge of the river your friend's father finds a small boat with oars. It can accommodate only one adult at a time. On the other hand, it can accommodate at most two children. It will not hold one adult and one child at the same time. Everyone is capable of rowing the boat.

PART 1

How many one-way trips does it take for everyone to reach the other side of the river?

Note: A round-trip counts as two one-way trips. Be sure to obey the safety rules about the number of passengers that can be in the boat at one time.

Draw a visual of the crossing operation so someone who looked at your diagram would understand how you arrived at your answer?

Be prepared to present and explain your solution to the class.

