# Problem of the Week
Problem E
Adventure Travel

A tour company is planning adventure day trips to a small island. Every morning, a boat will take a group of people to the dock on the west side of the island. Each person will then choose a route to travel through the island, doing different activities along the way. The final activities will finish at the dock on the east side of the island, where a boat will take everyone back to the mainland in the evening.

The map below shows all the possible routes people can travel through the island starting from the dock on the west side (A) and finishing at the dock on the east side (J). The activity for each section is shown, as well as the maximum number of people that can do each activity per day due to equipment and/or time constraints.
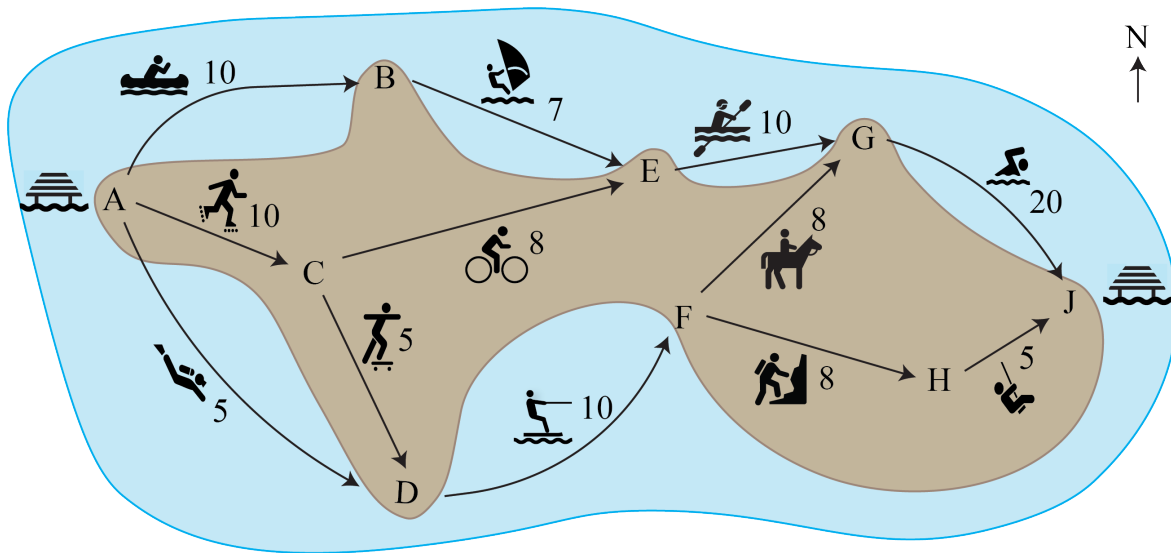
What is the maximum number of people that can travel from A to J in one day using only the routes and activities shown?

This problem was inspired by a past Beaver Computing Challenge (BCC) problem.