**April 2011 - Choose Your Crew**



    Skills

Name    Fishing    Sailing    Navigation    Salary

Amy    3    5    1    $46,000

Bill    1    2    5    $43,000

Carl    3    4    2    $47,000

Dan    4    3    1    $36,000

Eva    4    2    2    $43,000

Fred    1    3    4    $55,000

Greg    3    1    5    $68,000

Henry    5    4    2    $64,000

Ida    3    3    3    $60,000

Table 1

Successfully navigating the waters during sea voyages is a challenging task.  A captain’s most important decision is selecting the right crew for the voyage.  A mix of different skill sets are required to sail the ship efficiently, navigate to the destination, and fish for food along the way.

Table 1 shows a list of crew members that are available for you to hire for the voyage.  Each crew member demands a salary for the voyage and has different skill levels of Fishing, Sailing, and Navigation.

In order for your journey to be successful, you must have a cumulative skill of 15 or more in each of the three skill categories from all of your chosen crew members.  You may choose as many crew members as you like.

**Question:  What is the minimum achievable cost for the voyage?**