

B. Acre of Sail ... Almost, making a table

The following list contains some of *Constitution's* sails and their sizes. Use another piece of paper to create a table out of this information. Be sure to give your table a title. Then use your table to answer the questions below.

Sails on *Constitution's* (bowsprit to foremast): flying jib* (1,174 sq. feet), jib* (1,720 sq. feet). Sails on her foremast are: foresail (2,520 sq. feet), fore topsail* (2,369 sq. feet), fore topgallant (1,053 sq. feet), fore royal (560 sq. feet). Sails on her mainmast are: mainsail (3,272 sq. feet), main topsail* (3,366 sq. feet), main topgallant (1,260 sq. feet), main royal (678 sq. feet). Sails on her mizzen mast are: spanker* (1,697 sq. feet), mizzen topsail* (1,617 sq. feet), mizzen topgallant (658 sq. feet), mizzen royal (337 sq. feet).

*See question 6 below

- Underline the largest sail and the smallest sail in your table.
 - About how many times bigger is the biggest sail than the smallest? _____
- What is the total square feet of sail on each mast? _____

- What is the total square feet of all sails listed in the table? _____
- The total square feet of all of *Constitution's* sails, including those not listed in the table, is 42,710. What percent of her sails are listed in the table? _____
- An acre is 43,560 square feet. What percentage of an acre are all of *Constitution's* sails?

- The sails marked with an asterisk were the ones set during *Constitution's* historic July 21, 1997 sail, her first sail without tow in over a century. These were also the sails set when she went into battle. Transfer the asterisks to your table and compute the percent of her battle sails to her total.