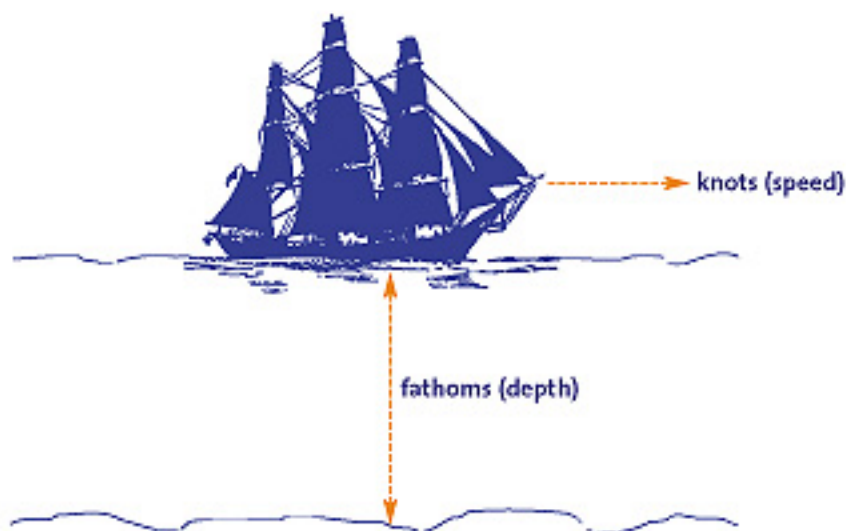


Can You Fathom This? *Measuring Nautical Speed and Ocean Depth*

Ships record their speed in knots. One knot is the speed of one nautical mile per hour. A nautical mile is 6,076 feet. On land a mile is 5,280 feet. Ocean depth is measured in fathoms, with one fathom equaling six feet. Use this information to solve the problems below.

- How much longer is a nautical mile than a land mile? _____
- A ship traveling 10 knots is traveling at what speed in land miles per hour? _____
- A sunken ship buried at a depth of 48 fathoms is how many feet below the surface of the water? _____
- a) Some whales are said to dive half a mile below the surface. If the statement is referring to land miles, how many fathoms is this? _____
 (b) If this statement is referring to nautical miles, how many fathoms is this?



Extra Credit: How did the term knot become used as a measure of speed? _____
