

6. Incorrect. The answer is true not false. Statute miles (1 statute mile = 1.61 kilometers) are used to measure distance on land and on inland lakes, rivers and intracoastal waterways. Nautical miles are used to measure distances on the oceans of the world. If you assume the earth is perfectly round, (it is slightly flatter at the poles), there are 360 degrees around it at the equator. There are 60 minutes in each degree, each minute is one nautical mile, and $60 \text{ minutes} \times 360 \text{ degrees} = 21,600$ nautical miles around the earth at the equator.

A statute mile is 5,280 feet in length. A nautical mile is 6,076.1155 feet in length. Therefore $\text{statute miles/nautical miles} = 5280/6076.1155 = 0.87$ or $\text{statute miles} = 0.87 * \text{nautical miles}$.