

WisKy STATs Math

1. The Battleship *Wisconsin* is 887 feet 3 in. This is equal to the length of approximately 2.5 football fields. (Note: a football field length is 360 ft.)

2. The battleship can travel approximately 33 knots/hour. Convert knots to miles/hour with 1 knot equaling 1.15 miles/hour. What is her speed in miles/hour? 38MPH (37.9757 to be exact).

3. The Battleship *Wisconsin* uses 1 gallon of Navy Distillate Fuel to travel 15 FEET! Knowing the answer from question one, how many gallons of fuel are required to move her own length? 59.133333 gallons. Find the distance from Norfolk Virginia to the Rock of Gibraltar 3840 miles. How many gallons of fuel is needed to make the voyage? 1,351,680 gallons.

4. When the Battleship *Wisconsin* is light she displaces 45,000 Long tons and when she is fully loaded she displaces 57,000 Long tons. What is the difference in the volume of water displacement when she is fully loaded compared to when she is light? 12,500 Long tons.

(Note: Displacement is the volume of water moved by the object (BB64) which would otherwise be occupied by water.)



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5. The Battleship *Wisconsin* was built to house approximately 1,900 officers and men on board. Research approximately how many men were on board during the following wars, calculate the difference between crew capacity and actual crew.

- WWII 2911 men on board = 1011 over capacity
- Korean 2672 men on board = 772 over capacity
- Gulf War 1575 men on board = 325 under capacity

6. Draft is the vertical distance between the water line and the bottom of the hull (keel). This draft is an important number to know when navigating. The *Wisconsin* draft is 37 feet 9 inches when fully loaded. Would she be able to navigate the following rivers?

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| • Susquehanna River – Avg. Depth = 20' at deepest | YES | NO |
| • Missouri River – Avg. Depth = 3' at deepest | YES | NO |
| • Mississippi River – Avg. Depth = 12' at deepest | YES | NO |
| • Colorado River – Avg. Depth = 20' on average | YES | NO |
| • Rio Grande River – Avg. Depth = 0"- 60' | YES | NO |

