

Converting Between Systems of Measurement, *USS Constitution* measurements

Directions: Convert each measurement in the table from the US Customary System to the Metric System. Choose the appropriate unit in the metric system to do your conversions. Show your work on a separate sheet of paper.

<i>Constitution's Guns</i>	<i>US Customary System</i>	<i>Metric System</i>
1. 24-pounder long gun (30)	4800 pounds	_____
2. 18-pounder long gun (16)	3600 pounds	_____
3. 12-pounder long gun (14)	2400 pounds	_____
4. Shot for 24-pounder long gun	24 pounds	_____
5. Shot for 18-pounder long gun	18 pounds	_____
6. Shot for 12-pounder long gun	12 pounds	_____

7. What is the total Long Gun weight board? Give both US Customary and Metric.

US Customary: _____

Metric: _____

8. Each gun used about 6–8 pounds of powder for each shot.

Metric range: _____

NAME



9. There is 27 miles of rigging (ropes on the Ship used to support the masts and adjust sails).

Metric: _____

10. USS *Constitution* sits 22 feet 6 inches below sea level. Metric: _____

11. The weight of the Ship is 2,200 tons. (1 ton = 2,000 pounds) Metric: _____

12. USS *Constitution* is 204 feet long. Metric: _____

13. In the middle, USS *Constitution* is 43 $\frac{1}{2}$ feet wide. Metric: _____

14. USS *Constitution* is 25 inches thick at the waterline. Metric: _____

15. Each crew member got 1 gallon of water per day. Metric: _____

16. Each crew member got a $\frac{1}{2}$ pint of grog per day. Metric: _____