# Milestones in Maritime Technology

Maritime Technology · Answer Key · 12 Questions

**1. Which 18th-century invention by John Harrison solved the problem of determining longitude at sea?**

A) The Sextant
**B) The Marine Chronometer**
C) The Mercator Projection
D) The Astrolabe

**2. What was the first steamship to cross the Atlantic Ocean in 1819, utilizing both sails and steam power?**

**A) SS Savannah**
B) SS Great Western
C) SS Sirius
D) SS Great Britain

**3. In 1906, which battleship revolutionized naval warfare by introducing an all-big-gun armament scheme?**

**A) HMS Dreadnought**
B) USS Monitor
C) SMS Nassau
D) Yamato

**4. Which invention, popularized in the 1730s by John Hadley, replaced the backstaff for measuring the altitude of celestial bodies?**

A) The Compass
**B) The Octant**
C) The Log line
D) The Lead line

**5. What type of engine was first successfully fitted to a commercial vessel in 1903, the Vandal, marking a shift away from steam?**

A) Gas turbine
B) Nuclear reactor
**C) Diesel engine**
D) Stirling engine

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**6. The 'Great Eastern', designed by Isambard Kingdom Brunel and launched in 1858, was the first ship to feature which technology?**

**A) Double-hulled construction**
B) Nuclear propulsion
C) Hydrofoil wings
D) Submarine torpedo tubes

**7. Which deep-sea submersible reached the bottom of the Mariana Trench in 1960, the first crewed vessel to do so?**

A) Alvin
**B) Trieste**
C) DSV Limiting Factor
D) Nautile

**8. What communication device, first installed on the SS St. Paul in 1899, revolutionized maritime safety by enabling ship-to-shore contact?**

A) Radar
B) Sonar
**C) Wireless telegraphy**
D) Satellite phone

**9. The invention of the 'screw propeller' by John Ericsson and Francis Pettit Smith in the 1830s replaced which primary form of ship propulsion?**

**A) Paddle wheels**
B) Oars
C) Wind-powered kites
D) Stern-wheelers

**10. What maritime navigation system, developed by the U.S. Navy in the 1960s, was the precursor to modern GPS?**

A) LORAN
**B) Transit**
C) DECCA
D) Omega

**11. Which 19th-century invention allowed divers to remain underwater for extended periods by pumping air from the surface via a tube?**

A) SCUBA gear
B) Diving bell
**C) Standard diving dress (heavy gear)**
D) Rebreather

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**12. What was the primary function of the 'plimsoll line', introduced by Samuel Plimsoll in 1876?**

**A) Indicating a ship's maximum safe loading depth**

B) Measuring water salinity

C) Detecting hull breaches

D) Calculating speed through water

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