

ANSWER

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Round: 13B

Using the nautical chart provided answer the following questions. The individual charts are copies of the enlarged sections of the large map.

You and your friends are heading out for a boating trip along the Jersey Shore in your cuddy cabin cruiser. The cruiser has a 6.5ft. beam, is 18ft long, and has a 1.4ft depth. It also has a 40hp motor, and a removable VHF antenna that is 10ft above the water.

1. Why should we review the edition number located in the lower left-hand corner of the chart prior to departing on our trip?

The edition number tells us how old the chart is because conditions within waterways may change over time. (1pt)

2. a. Departing from the Shark River Municipal Boat Basin, and traveling East, which obstacle will cause us our first issue, and why?

First bridge (1pt), because it only has an 8ft clearance and our antenna is 10ft tall (1pt).

- b. How will we overcome this issue?

Temporarily remove the antenna (1pt)

1. 3. After passing under two bridges we approach two markers -

(1) **Fl R 4 sec 33ft 4M “2” HORN** and (2) **Fl G 4sec 10ft 4M “1”**.

- a. What is the name for these types of markers?

Buoys (1pt)

- b. What do the series of letters and numbers on the first marker mean?

(1 pt each – 6pts total)

Fl= flashing lighted buoy

R = red (color of flashing lighted buoy)

4sec = how often it flashes, 4 seconds

33ft= how tall the buoy is

4M = how far the buoy can be seen, 4 miles

“2”= buoy number

c. On what side of the boat is the second marker? Use the nautical term.

Starboard side (1pt)

4. As you travel out of the Shark River you cross the COLREGS demarcation line. What does crossing this line mean?

Imaginary line or point that defines where you transition/change between Inland Rules and International Rules (1pt)

5. After leaving the mouth of the Shark River you begin to traveling toward the Manasquan River Inlet at 10 knots along the 30' contour line.

a. How many nautical miles will you cover in 6 minutes? Show your work.

1 nautical mile (1pt)

b. After traveling approximately 6 nautical miles, what can you easily see on land off the beam of your boat? What does the abbreviation stand for?

RTR (1pt) AND Radio Tower (1pt)

6. In the area you have been traveling there is a jetty. How is a jetty identified on the nautical chart?

Rks (1pt)

7. After entering the Manasquan River Inlet and going under the railroad bridge, you note that the chart marks the channel more frequently. Why is this?

The water outside the channel is very shallow (only 1-1.5 feet deep) (1pt), not deep enough for the average boat. (1pt)

8. Why should we be particularly cautious as we navigate around bridges near the Point Pleasant Canal?

Turbulent waters (1pt)

Reference

<http://boatsafe.com/nauticalknowhow/chart101.htm>