

## RYA DS/WL Chartwork Exercise

Questions require a copy of: "**Training Almanac North**" (Issue 3N:06:08).  
Individual questions may have times other than DST and Variation is 7°W. RYA Chart: No.3.

1. A yacht fixed its position at 17:26DST with the following three bearing:

- i). The RHE of Webb Ellis Island      321°(M)
- ii). Johnson Point Light House      272°(M)
- lii). The LHE of Dognose Point      234°(M)

Plot the fix at 17:26DST and give the Lat & Long of the position.

2. A yacht is in position 46°16'·25N x 005°40'·80W adjacent to the starboard lateral buoy FC5. The yachts speed is 4 knots and she required the C.T.S to the beacon outside the entrance to Namley hbr'. Using the tidal stream atlas in your Almanac (*The arrow between Port Rampton & Rawmarsh*) for the 23rd April at 18:11DST. Find the C.T.S in Magnetic and the E.T.A., at the beacon.

3. A yacht en route for Port Fraser, departed the Port lateral buoy BB2, just off Holm Point at 18:04DST on Wednesday 8th May log 373, an hour later at 19:04DST log 377·5 the skipper wanted an E.P of her current position. The heading was 286°(M) use tidal diamond 'A' to find the E.P at 19:04 and give the Latitude and Longitude of its position, and her S.M.G.

4. After taking some friends for a swing around 'Kay Island' the skipper of a motor cruiser based in Namley harbour was in position 46°22'·50N x 005°55'·80W required the C.T.S back to the beacon outside the entrance to Namley harbour, the boat cruised at 6kns and the time was 15:45DST on Saturday 27th July. Use T/D 'A' to find the C.T.S in magnetic and the E.T.A to the beacon.

5. On Saturday 25th May at 15:29DST a yacht is preparing to anchor in Namley Harbour for an afternoon of recreational swimming and snorkelling.

- a). What is the height of tide at 15:29?
- b). How much will the tide fall between 15:29 and LW?
- c). The yacht has a draught of 1·8m and her skipper wants a clearance of 2·0m beneath the keel at LW. What is the minimum depth of water to anchor in at 15:29?



### Refer:

**DS/WL**      Links with exercises 3, 4, 5, 10, 12 & 14. For further study see; p52/59 in course notes: DSN09.

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