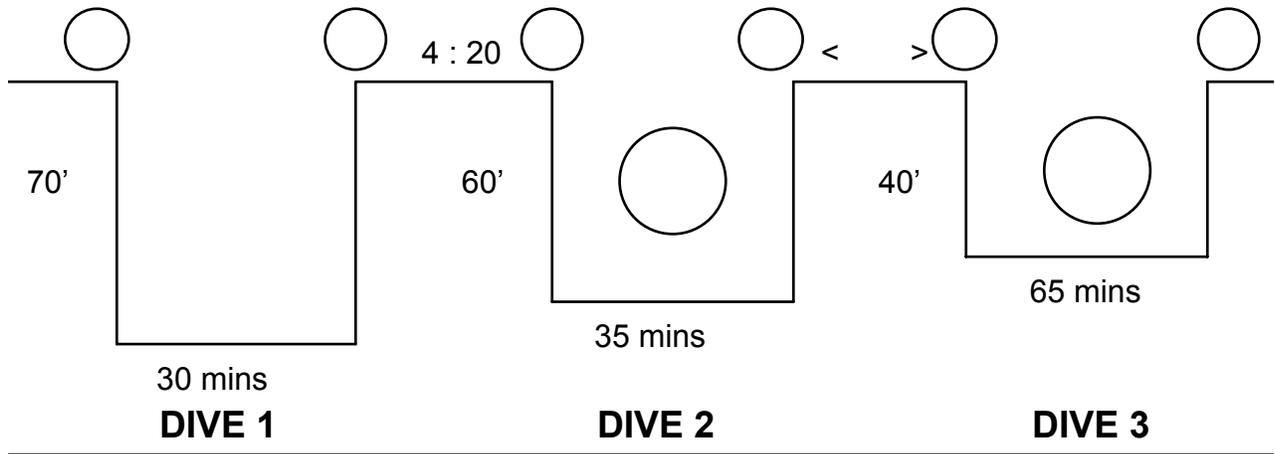


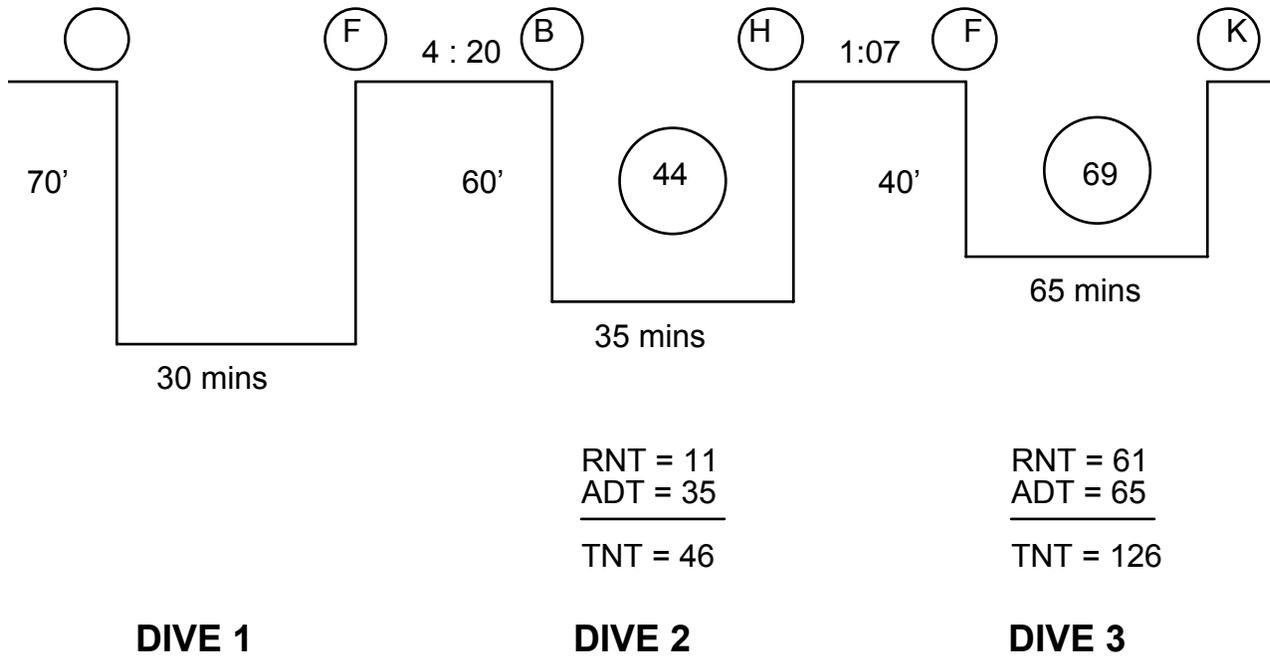
Dive Tables - Practice Questions

Question 1



Find the minimum surface interval required to carry out DIVE 3

Answer 1



Steps for answering question 1

1. Calculate the **End of Dive Letter Group** for dive 1 using **Table 1**.

Look up 70 ft dive for 30 mins - the diver ends dive 1 as an F diver.

2. Calculate the letter group after the surface interval between dive 1 and dive 2 using **Table 2 - Surface Interval Time Table**.

Look down the ÒFÓ column until you find the time period surrounding 4 hrs 20 mins (between 3:58 and 7:05) read to the left and you find you start dive 2 as a B diver.

3. Check if dive 2 is possible using **Table 3 - Repetitive Dive Table**.

Where the B diver row meets the 60 ft column there are 2 numbers. The RED number is the **Adjusted Maximum Dive Time (AMDT)** - the time the diver can actually spend at 60 ft. In this case 44 mins - our plan is to spend 35 mins on the dive - so it is a good plan.

4. Calculate the **Total Nitrogen Time (TNT)** for dive 2.

The BLUE number in table 3 where the B diver row and 60 ft column meet is the **Residual Nitrogen Time (RNT)** 11 mins - add this to the **Actual Dive Time (ADT)** 35 mins to get the TNT - 46 mins.

5. Calculate the **End of Dive Letter Group** for dive 2 using **Table 2**.

Look up 60 ft dive for 46 mins (the TNT from step 5). Dive 2 ends as a H diver

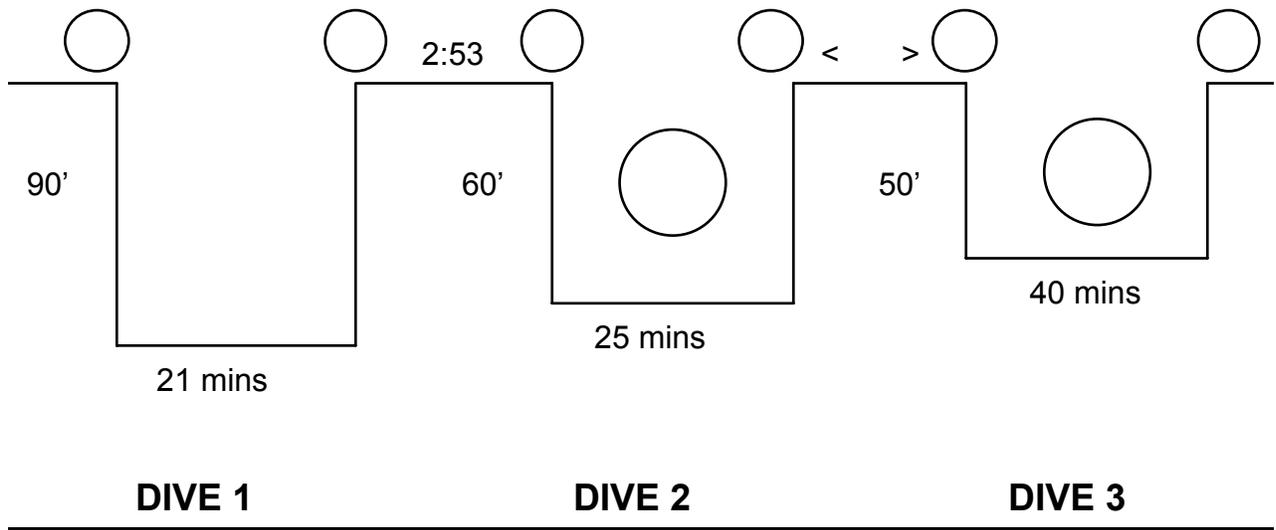
6. Calculate the minimum surface interval between dive 2 and 3 (work the tables backwards)

Start at **Table 3** with the details of dive 3 to find the letter group that allows the diver to complete a 40 ft dive for 65 mins. Look **UP** the 40 ft column for the first **AMDT** (red number) that is greater than or equal to 65 mins. This is 69 mins read across to find the letter group - an F diver.

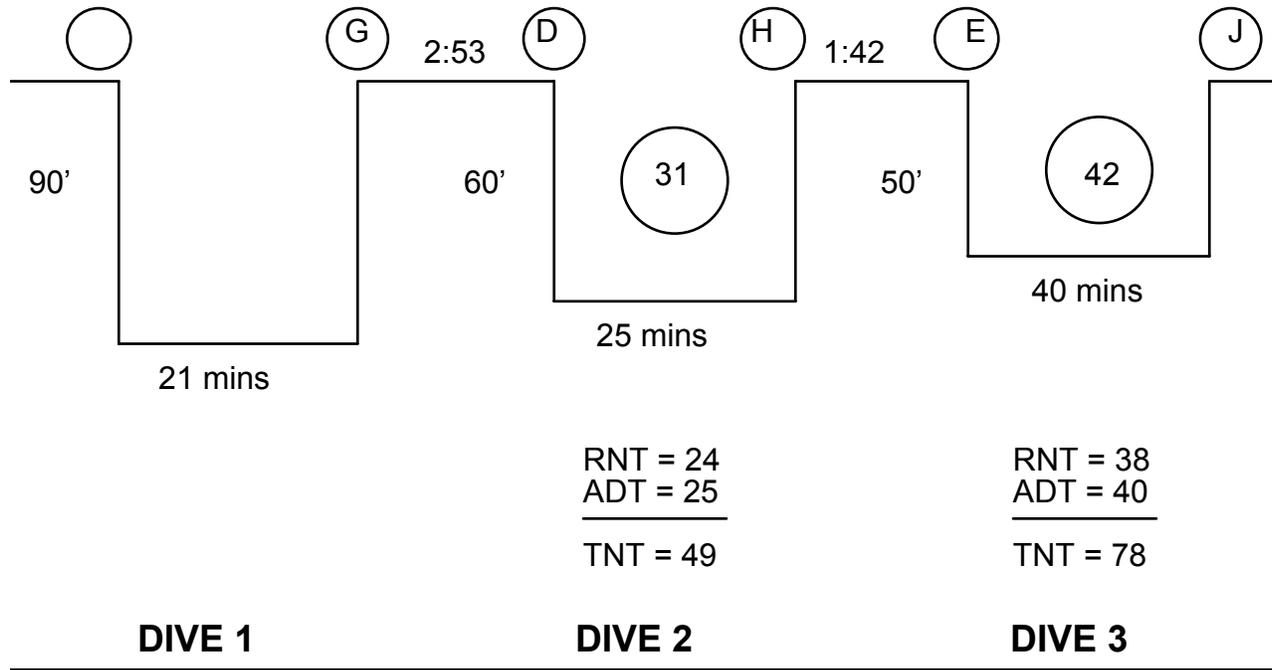
Move to **Table 2** and check where the F diver meets the H diver (from step 5). This is between time 1:07 and 1:41 - the MINIMUM surface interval is 1 Hr and 07 mins.

7. Complete the plan by adding the RNT of 61 mins (F diver / 40 ft dive in Table 3) to the ADT - 65 mins to get a TNT 126 mins. Table 1 - 40 ft dive for 126 mins the final letter group is K

Question 2



Answer 2



Remember : if the actual depth or time is not on the tables use the next greater value.

Question 3

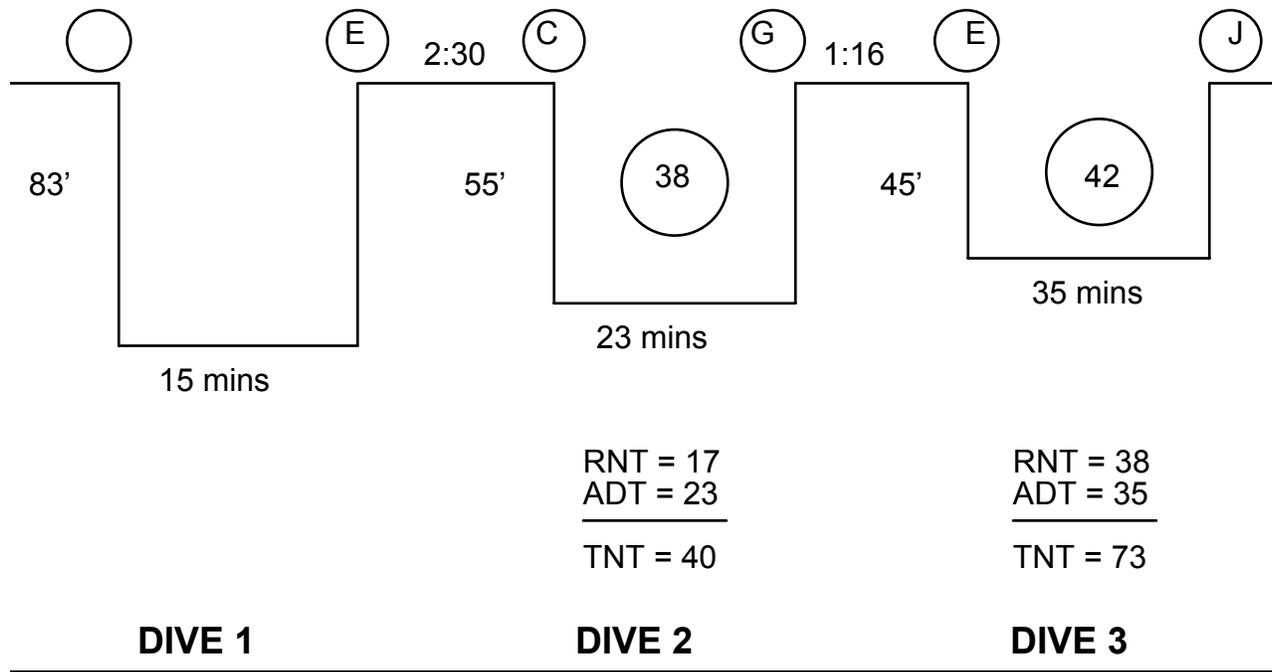
A buddy pair are planning 3 dives.

The first dive will be to 83 ft for 15 mins. After spending 2 hrs and 30 mins on the surface they will make a second dive to 55 ft for 23 mins.

The final dive will be to 45 ft for 35 mins.

Calculate the minimum surface interval between dives 2 and 3 to allow the pair to complete their final dive.

Answer 3



Note : it is easier to calculate dive plans if you draw the profiles.