



Open Water Diver

Part 6 (IV)
Table exercises (Imp)

Now it's your turn to do some exercises completing the results before seeing the solutions. Once finished, open the file called 6 (5) _tabe_solutions.pdf to check if you have made an error. If you see any difference between your solution and the one proposed by us, please review that exercise to find out where you made the mistake.

If you have any doubts about it or do not see where you have made a mistake, please do not hesitate to consult with your instructor through the contact method that he has provided. If you find a problem contacting your instructor or if his response is delayed more than reasonable, you can also direct the query to ACUC via the email that we have provided.

We will present the exercises in writing, without including any sketch. In each exercise we will ask questions that you can answer once you have finished solving the problem. We recommend to you to draw a sketch for each problem, since viewing the sketch, you should be able to answer all the questions.

Exercise 1

We do a simple dive to 50 ft of depth for 45 minutes. Indicate:

Decompression or safety stop?
Depth and time of the stop
Total ascent time
Exit residual nitrogen group

Exercise 2

We do a simple dive to 57 ft of depth for 32 min, after three and a half hours on the surface we do another dive to 40 ft of depth for 60 min. Indicate for both:

Decompression or safety stop?
Depth and time of the stop
Total ascent time
Exit residual nitrogen group
Entry residual nitrogen group in the second dive

Exercise 3

We do a simple dive to 77 ft of depth for 30 minutes, after 2 hours on the surface we do another dive to 50 ft for 30 min, 4 hours and 15 min later we do a third dive to 50 ft for 30 min. Indicate for the three dives:

Decompression or safety stop?
Depth and time of the stop
Total ascent time
Exit residual nitrogen group
Entry residual nitrogen group in the successive dives

Exercise 4

We do a simple dive to 66 ft for 35 min, 2 h and 15 min after exiting we dive again to 60 ft for 30 min. Indicate for both dives:

- Decompression or safety stop?
- Depth and time of the stop
- Total ascent time
- Exit residual nitrogen group
- Entry residual nitrogen group in the second dive

Exercise 5

We do a simple dive to 50 ft for 30 min, 10 minutes later we go down to 67 ft for 15 minutes and 3 h and 15 min after we go down to 47 feet to dive the maximum time without going into mandatory decompression. Indicate for the three dives:

- Decompression or safety stop?
- Depth and time of the stop
- Total ascent time
- Exit residual nitrogen group
- Entry residual nitrogen group in the second and third dives
- Dive time in the third dive

Exercise 6

We want to do 3 dives without going into decompression in any of the 3. The first to 67 feet for the longest possible time without mandatory decompression stops, the second to 53 ft for 30 min and the third to 47 ft for 45 min. indicate for the three:

- Bottom time of the first dive
- Decompression or safety stop?
- Depth and time of the stop
- Total ascent time
- Minimum surface intervals
- Exit residual nitrogen group
- Entry residual nitrogen group in the second and third dives