



Sample Dive Plan Calculations The Questions

1. The assumption is you will always start as a Current Tissue Code (CTC) A, diving at sea level (which means Level 1 tables) and using normal air to breathe (21%)
2. What is your Surfacing Code (SC) if you dive for 37 mins at 12 mtrs?
3. How long can you dive to 21 mtrs if you want end your dive on Surfacing Code E
4. What is the maximum depth you could go to if you wanted a 65 mins dive
5. Assuming you have completed your first dive and your Surface Code is D, what would be your new Current Tissue Code if you entered the water again 90 mins later?
6. Assuming you have completed your first dive and your Surface Code is F, what Surface Interval (SI) is needed to reduce your CTC to B?

DIVE PLANNING

7. Question
 - a. Dive 1 – 18 mtrs for 20 mins
 - b. Surface Interval 2 hrs
 - c. Dive 2 – 15 mtrs
 - d. What maximum time can be dived?
8. Question
 - a. Dive 1 – 20 mtrs for 35 mins
 - b. Surface Interval – 80 mins
 - c. Dive 2 – 25 mins
 - d. What maximum depth can be dived?
9. Question
 - a. Dive 1 - 19 mtrs for 30 mins
 - b. Dive 2 – 15 mtrs for 20 mins
 - c. Surface Interval – ????
 - d. What minimum Surface Interval is required to be able to complete dive 2?
10. Question
 - a. You enter the water at 8.30am and descend to 18 mtrs. You reach the surface at 9.20am and decide to have a coffee. Another buddy pairing on the same dive trip asks you to help them into the water as they're carrying heavy camera equipment. Having waded in and out again – another coffee beckons. Your own buddy now wants to get back in the water so after a pee break (most important!!), you kit up and are ready to enter the water at 10.25 (your dive plan allowed for entry at 10.30). Your dive objective is a small fishing lying on it's side in 12 mtrs of water and you need at least 15 mins to complete your trip all the way round.
 - b. Can you do this dive plan? If not, why not – and what would you need to alter do to be able to complete it? (What a nasty question tee hee!!!)