



STILL MORE DIVE TABLE PROBLEMS

Air, Nitrox 32, and Nitrox 36 Dive Tables

1. What are the repetitive group letters for a dive to 68' for 32 minutes, a two hour surface interval, followed by a dive to 45' for 47 minutes?
2. What are the repetitive group letters for a dive to 75' for 28 minutes, a 1:30 surface interval, followed by a dive to 52' for 20 minutes?
3. What are the repetitive group letters for a dive to 55' for 45 minutes, a 1:10 surface interval, followed by a dive to 45' for 25 minutes?
4. A buddy teams begins a dive at 0825, goes to a max depth of 90', arrives at their 15' safety stop at 0847, and surfaces at 0853. What time can they safely begin a repetitive dive to 45' for 30 minutes? What are the repetitive group letters?
5. A diver plans a dive to 68' for 33 minutes, a one hour surface interval, and a repetitive dive to 58' for 38 minutes? What are the repetitive group letters? Can the diver dive this plan on air? If he can not, what are the alternatives allowing the second dive? If the dives were planned with EAN32 what would be the repetitive group letters (use EAN32 tables).
6. A diver plans three dives with EAN34. The first is to 73' for 35 minutes, the second to 68' for 29 minutes, the third to 48' for 39 minutes. What are the repetitive group letters and minimum surface intervals between dives? (Use EAD chart and air tables)
7. A diver plans four dives. The first is to 80' for 25 minutes, the second to 58' for 32 minutes, the third to 48' for 38 minutes, and fourth to 38' for 60 minutes. What is the best NITROX mix (assuming the same mix for all dives). If the first dive begins at 0900 and a five minute safety stop is performed at the end of each dive, what times will the second and third dives begin? What are the repetitive group letters? (Use EAD chart and air tables)
8. What are the repetitive group letters and minimum surface interval using EAN36 for a dive to 50' for 50 minutes followed by a repetitive dive to 90' for 15 minutes?
9. What are the repetitive group letters and minimum surface interval using EAN36 for a dive to 90' for 15 minutes followed by a repetitive dive to 50' for 50 minutes?
10. A diver plans two wall dives using EAN36. The first is to 80' for 30 minutes, a 50 minute surface interval, and the second to 45' for 40 minutes. Thirty minutes into the second dive, the diver notices that the maximum depth indicator on the depth gauge shows slightly over 60 feet. Should he terminate the dive at this point? What special ascent procedures/stops must the diver make?