

Dive Planning Problems

For all the below problems use the dive planning sheets and show all workings, remember, use the information on the tables to assist you.

1. What is the ending pressure group after the following dive series?
Dive 1 23m for 27mins, 40 min surface interval. Dive 2 18m for 25mins.
2. Including all necessary stops what is the total length of the following series of dives and the ending pressure group? What is the minimum surface interval required after the third dive?
Dive 1 30m for 16mins 1hr surface interval Dive 2 22m for 20mins 20min surface interval Dive 3 16m for 32mins
3. What is the minimum surface interval required between the following dives?
Dive 1 16m for 46mins dive 2 14m for 59mins.
4. Put the following dives in the correct order and, using minimum surface intervals, establish the ending pressure group. What is the minimum surface interval required before commencing a fourth dive?
18m for 31mins
9m for 87mins
28m for 16mins
5. During the Advanced open water course the following dive profiles are followed.
Dive 1 deep dive 30m for 15mins.
1hr10min surface interval
Dive 2 boat dive 18m for 47mins.
What action should now be taken?
6. Diving at Vobster in December the water temperature is 4°. Plan the following dive series.

Dive 1 on the 20m platform for 25mins
1hr surface interval
Dive 2 on the plane at 12m for 50mins

7. Plan the following dive series in Gozo.
Breakfast dive, 21m for 26mins
25min surface interval
Dive 2 17m for 31mins
After following all RDP guidelines the diver makes a third dive to 18m for 56mins.
Comment fully.

8. Complete the following dive planning.
31m for 12mins
Surface interval 20mins
21m for 21mins
Minimum surface interval
Drift dive against swift current 16m for 25mins