

Ketchikan Topo Map Analysis

Name _____
Period _____
Date _____

1. What is the title of your map (see bottom right corner)? _____
2. What is the scale of your map? _____
3. a) What is the contour interval? b) What does this mean? a) _____
b) _____
4. To what degree do true north and magnetic north differ in this part of the world, i.e., what is the declination? _____
5. One inch is equal to what distance of real land on this map? _____
6. Approximately how many inches is Pennock Island on the map? _____
7. What is the approximate length of the real Pennock Island? _____
8. Approximately how far (as the crow flies) is Upper Silvis Lake from Ketchikan? _____
9. What are the two tallest peaks on the map (look carefully)? _____

10. What are their heights? _____
11. What elevation is Harriet Hunt Lake? _____
12. If you were boating to Coho Cove from Mountain Point and were traveling 10 mph, how long would it take you to get there? Show your work or no credit! _____

13. What direction is Whitman Lake from Ketchikan? _____
14. What direction is Talbot Lake from Ketchikan? _____
15. What direction is Mahoney Lake from Ketchikan? _____
16. What direction is Blank Island from Ketchikan? _____
17. There is a lake approximately 0.5 mile south of Gem Cove. What is the elevation of the unnamed lake?

18. Give the elevations of the following: Fawn Mtn. _____, Buck Mtn. _____, Doe Mtn. _____, Deer Mtn. _____
19. Describe the landscape directly north of Mahoney Lake? Would you like to go hiking in this direction? Why or why not? _____

20. What is the tallest point on Pennock Island? _____
21. What is the elevation of Trap Lake (east of Carroll Inlet)? _____
22. In the area called Twin Peaks, which peak is tallest, north or south? _____
23. What latitude range is included on this map (look at the map corners)? _____
24. What longitude range is included on this map (look at the map corners)? _____
25. How much elevation do you gain if you hike from sea level to the top of Deer Mountain?

Compass Bearings on the Ketchikan Map

1. What is the bearing from the outlet of Harriet Hunt to the White River Boy Scout Camp?
2. What is the bearing from the intake of Mahoney Lake to the north end of Upper Mahoney Lake?
3. What is the bearing from Brown Mountain to Diana Mountain?
4. What is the bearing from Diana Mountain to Brown Mountain?
5. What is the difference between these last two bearings?
6. Thinking about the above example, the bearing from point A to point B is _____ degrees different from the bearing from point B to point A.
7. If you hike about 2.25 miles on a bearing of 22 degrees from California Cove, where could you spend the night?