

Name: _____

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17d

Mapping Skills

Use the Map and Legend of Gem Island to answer the following:

1. Write the scale of the map in words est. One centimetre represents one kilometre
2. What colour is used for dense woodland? Medium green
3. How many submerged rocks are there on the map? 6
4. Name the rivers on the map Crake and Lin River
5. Name one of the tracks found on the island Coastal Way
6. Name an area of dense woodland Hagg Wood
7. What is the direction from Lindale to Coniston? NW
8. What is the direction from Coniston to Smuggler's cave? SW
9. What is the direction from The Knoll on Scout Island to Herries Reef? SE
10. What is the direction from Kendal Hill to the jetty? East
11. On which side of the island is Easter Bay? East
12. On which side of the island is Sandy ~~Beach~~ ^{Bay}? South
13. Which point on the map is farthest west? Nabb point
14. What human feature would you find in the grid square at:
 - a. Area reference 2350 building
 - b. Area reference 2853 Highway
 - c. Area reference 3451 Jetty
 - d. Area reference 2556 bridge
15. What physical feature would you find in the grid square at:
 - a. Area reference 3545 Submerged rock
 - b. Area reference 3051 River / hill
 - c. Area reference 2256 Sand dunes
 - d. Area Reference 2347 Hidden Cave
16. What is the area reference for:
 - a. Smugglers Cave 2251
 - b. The top of Lookout Hill 3248
 - c. The highest point on Scout Island 2257
 - d. Nab point 2152

Name:

Mapping Skills for Gem Island Continued:

17. What feature is found at each of these grid references:

- a. 340470 lighthouse b. 270565 building at Coniston
c. 326501 building at Lindale d. 259565 bridge

18. What is the grid reference of each of the following features:

- a. the trig point on Kendal Hill 296512 b. the spot height on The Knoll 221576
c. the submerged rock nearest to Scout island 217592
d. the building nearest the bridge in Coniston 262562

19. Give the distance in a straight line from the triangulation point on Kendal Hill to each of the following: See Q. 1

- a. the spot height on Lookout Hill 3.5 km b. the spot height on Scout island 9.25 km
c. the building at Fisherman's Beach 6 km d. the lighthouse 6 km

20. What is the shortest distance across The Narrows? 1 km

21. What is the height of trig point on Kendal Hill 225 metres above sea level.

22. What is the height of the summit of Lookout Hill 165 metres above sea level.

23. What is the height of the summit of The Knoll on Scout Island 135 metres asl.

Treasure Trail Challenge:

Start at the lighthouse, travel north-west for 6 kilometres, then north for 5.5 kilometres. Follow the track heading north-west until you reach a human feature. From there, travel directly west for three kilometres and then dig for the treasure. What did you dig?
