

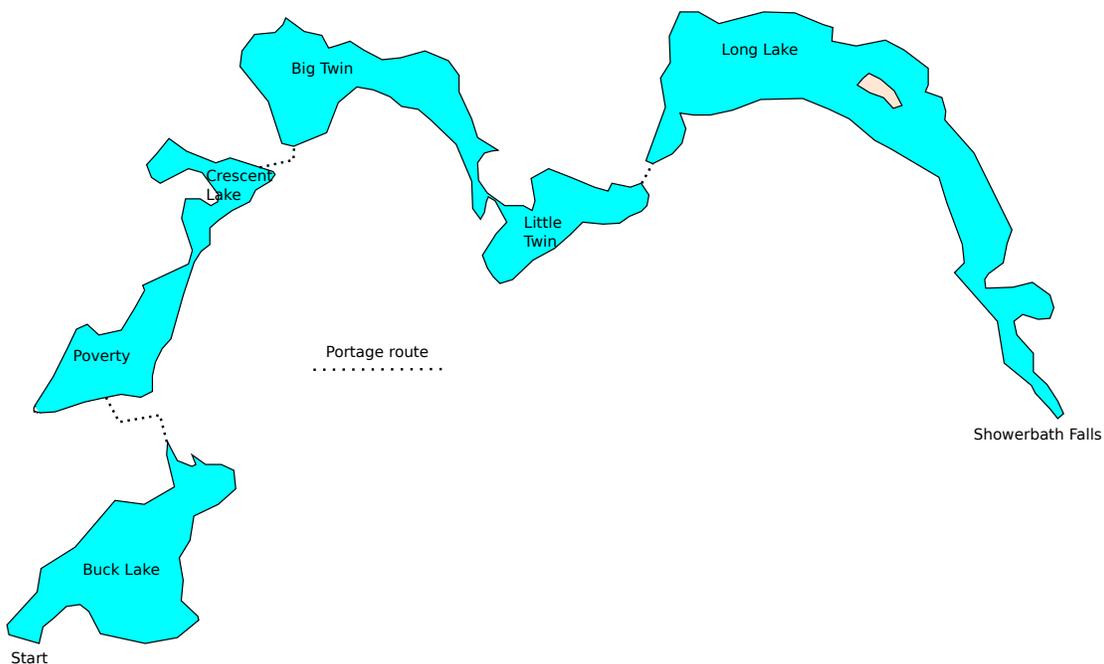


Problem of the Week

Problem A

Canoeing to Showerbath Falls

James and Katie decide to paddle their canoe to Showerbath Falls. There are six lakes to paddle through to get from the starting point of the trip to the end. The lakes are Buck, Poverty, Crescent, Big Twin, Little Twin, and Long Lake. Some of the lakes are connected by narrows, where you can paddle straight through, and some lakes are connected by portages, which means James and Katie have to get out of the canoe and carry it across a path to the next lake. Poverty and Crescent are connected by narrows, and Big Twin and Little Twin are connected by narrows. There are portages between Buck and Poverty, Crescent and Big Twin, and Little Twin and Long Lake.



They start in Buck Lake and it takes them 30 minutes to paddle across it. The portage between Buck and Poverty takes 10 minutes to cross. It takes 20 minutes to paddle across Poverty and Crescent. The portage between Crescent and Big Twin takes 15 minutes. From Big Twin to the final portage is a 25 minute paddle. This last portage is only 5 minutes long. Long Lake is well named and it takes 50 minutes to get to the end. Showerbath Falls is at the end of Long Lake.

- A) How much more time do they spend paddling rather than portaging the canoe during the trip from Buck Lake to Showerbath Falls?
- B) Katie and James spent an hour at Showerbath Falls eating lunch and then returned home. It took them the same amount of time to travel back. If they left at 9:00 in the morning, what time did they get home?

STRANDS NUMBER SENSE AND NUMERATION, MEASUREMENT

