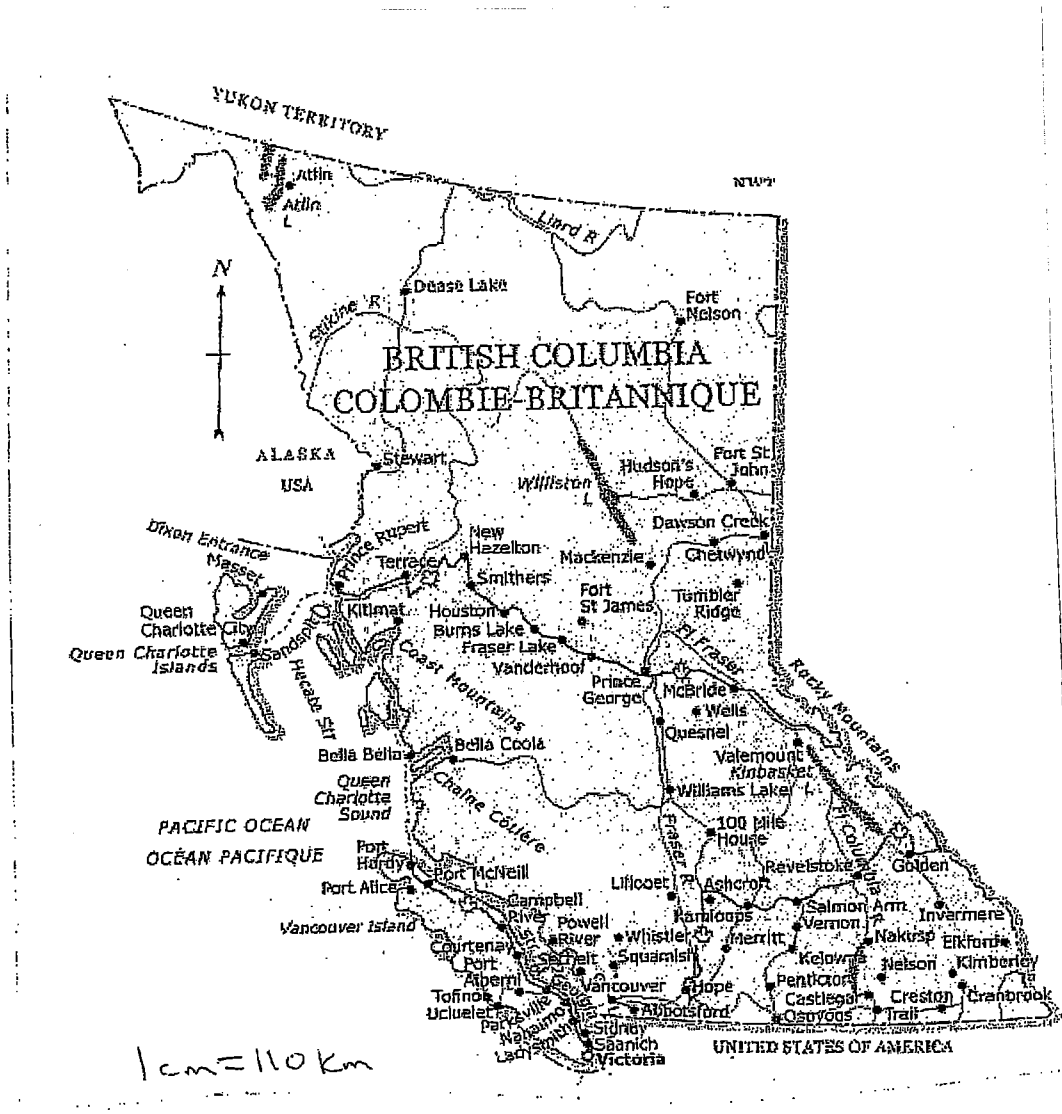


Scale Factors and Map Distances

Name _____

Use the Map provided to determine the distances between the given towns. The answers are approximate.

- 1) Kelowna and Bella Coola
- 2) Kelowna and Kamloops
- 3) Fort St. John and Vancouver
- 4) Williams Lake and Prince George
- 5) Dawson Creek and Prince Rupert
- 6) Victoria and Powell River



7) Kelowna and Vernon

8) Kelowna and Golden

9) Hudson's Hope to Tumbler's Ridge

10) Abbotsford and Quesnel

Determine the scale factor of the maps.

11) 2 towns are 5cm apart on a map. In real life, they are 100km apart. Determine a scale factor for the map.

12) 2 towns are 7.2cm apart on a map. In real life, they are 432km apart. Determine a scale factor for the map.

Answers to Scale Factors and Map Distances

1) $d \approx 572km$

2) $d \approx 88km$

3) $d \approx 770km$

4) $d \approx 176km$

5) $d \approx 638km$

6) $d \approx 187km$

7) $d \approx 44km$

8) $d \approx 220km$

9) $d \approx 143km$

10) $d \approx 418km$

11) 1cm = 20 km or 1:2000000

12) 1cm = 60 km or 1:6000000