

Subject Area & Grade: Math (Grade 3)

Curriculum Link: D1.3 Display sets of data, using many-to-one correspondence, in pictographs and bar graphs with proper sources, titles, and labels, and appropriate scales

D1.4 Determine the mean and identify the mode(s), if any, for various data sets involving whole numbers, and explain what each of these measures indicates about the data

D1.5 Analyse different sets of data presented in various ways, including in frequency tables and in graphs with different scales, by asking and answering questions about the data and drawing conclusions, then make convincing arguments and informed decisions

Learning Goal: Students will organize, display, and analyze data using various graph types (concrete graphs, pictographs, bar graphs), while also understanding the historical significance of the No. 2 Construction Battalion. By working with datasets related to where Battalion members lived across Canada, students will learn to analyze the Battalion's locations and demographics, drawing conclusions about migration patterns and community distribution.

Learning Activity: Display the No.2 Construction Battalion map showing the number of Black Battalion members in each province.

<https://www.google.com/maps/d/u/0/viewer?mid=1fbqnsV2POkGrRr8dUFKqbM8gSMioUayl&hl=en&ll=43.421973615172185%2C-79.82317448957029&z=4>

Explain that each dot represents one member of the No. 2 Construction Battalion, and that we will be counting these dots to determine how many members came from each province. As a class, count the dots in each province. (You may need to zoom in on Ontario and Nova Scotia, as these areas have more dots, with some overlapping. Focusing on specific sections at a time can make counting easier.) Create a table on the whiteboard for the class to tally the number of recruits from each province. A labeled map of Canada is provided for you to enlarge and photocopy, so you can write the number of recruits in each province. This will help students visually see the number of recruits in each province.

<https://www.superteacherworksheets.com/canada.html>

Have the class look at the table:

1. Why do you think there are so many recruits from Ontario and Nova Scotia?
2. Why are there no recruits, or very few, from the other provinces?

Possible answers: Large Black populations settled in Ontario and Nova Scotia because established Black communities already existed in those areas; Greater economic opportunities, such as farming in Ontario or working in industries along the Atlantic Coast in Nova Scotia; Black settlers often concentrated in provinces with more accessible resources and existing networks.

With the official counts in hand, students can proceed to complete the pictograph/bar graph.

A question worksheet is provided for students to answer using their graphs.

Answer Key

The Number of Black Battalion Members in each Province/Territory

British Columbia - 6

Alberta - 14

Saskatchewan - 0

Manitoba - 3

Ontario - 66

Quebec - 4

Newfoundland and Labrador - 0

New Brunswick - 15

Nova Scotia - 85

Prince Edward Island (PEI) - 0

Yukon Territory - 0

Northwest Territories - 0

Nunavut - 0

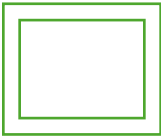
*Please note that every effort was made to count accurately. However, the numbers of Black Battalion members in each province/territory may not be exact, and not every member was mapped

Use the information from the class table to complete the pictograph below and answer the questions.

Title: _____

Province/Territory	Number of Black Battalion members
British Columbia	
Alberta	
Saskatchewan	
Manitoba	
Ontario	
Quebec	
Newfoundland	
Prince Edward Island	

New Brunswick	
Yukon Territory	
Northwest Territories	
Nunavut	
Nova Scotia	

Key  =

Name: _____

1. Identify the mode. _____

2. Why do you think that number is the mode in those specific provinces?

3. Which province has the greatest number of Black Battalion members?

4. Which province has the fewest number of Black Battalion members with at least one member?

5. Can you find two provinces that have the same number of members?

6. How many members are there in British Columbia? _____

7. Are there any provinces with no Black Battalion members?

8. Which provinces have more than 5 members?

9. Which provinces have fewer than 3 members?

10. If you add together the members from Quebec and Manitoba, how many do you get?

Answer Key

1. Mode: 0
2. There wasn't an established black settlement in those provinces; Early Black settlers were drawn to areas with greater economic opportunities
3. Which province has the greatest number of Black Battalion members?
NOVA SCOTIA
4. Which province has the fewest number of Black Battalion members with at least one member?
MANITOBA
5. Can you find two provinces that have the same number of members?
NEW BRUNSWICK AND ALBERTA
6. How many members are there in British Columbia? 5
7. Are there any provinces with no Black Battalion members?
NEWFOUNDLAND AND LABRADOR, SASKATCHEWAN, PEI, YUKON TERRITORY, NORTHWEST TERRITORIES, NUNAVUT
8. Which provinces have more than 6 members?
ALBERTA, ONTARIO, NEW BRUNSWICK, NOVA SCOTIA,
9. Which provinces have fewer than 4 members?
MANITOBA, SASKATCHEWAN, NEWFOUNDLAND AND LABRADOR, PEI, YUKON TERRITORY, NORTHWEST TERRITORIES, NUNAVUT

10. If you add together the members from Quebec and Manitoba, how many do you get? 7