

**Number
Readiness Tasks**

Number Relationships

Use these facts about bees to answer the questions below.

0.5 mL
A bee will collect about 0.5 mL of honey in its lifetime.

60 000+
In one hive, there are 60 000 or more bees.

225 000
Each day, about 225 000 flowers are visited by the bees in one hive.

24 km/h
A bee flies at an average speed of 24 km/h.

160 000 km
To collect 1 kg of honey, the bees in one hive will travel about 160 000 km.

1. How many base-ten thousands cubes would be needed to represent 60 000?
 - a. 6
 - b. 60
 - c. 600
 - d. 6000

Number Relationships (cont'd)

2. How many hives would be needed for bees to visit about 1 000 000 flowers in one day?
Show your work.

3. A bee can fly between 2 h and 12 h in a day.
A bee flies 24 km in 1 h.
- a) How far can a bee fly in 2 h?
 - b) How far can a bee fly in 12 h?
 - c) What is the difference between these distances?
- Show your work.

Mathology 3 Table of Contents

N2 Number Relationships
5. Estimating Quantities (all provinces except Ontario)
6. Composing and Decomposing Quantities
7. Comparing and Ordering Quantities
8. Consolidation

The following Readiness Tasks review the Grade 3 content above for you to assess whether your students are prepared for the Grade 4 content below.

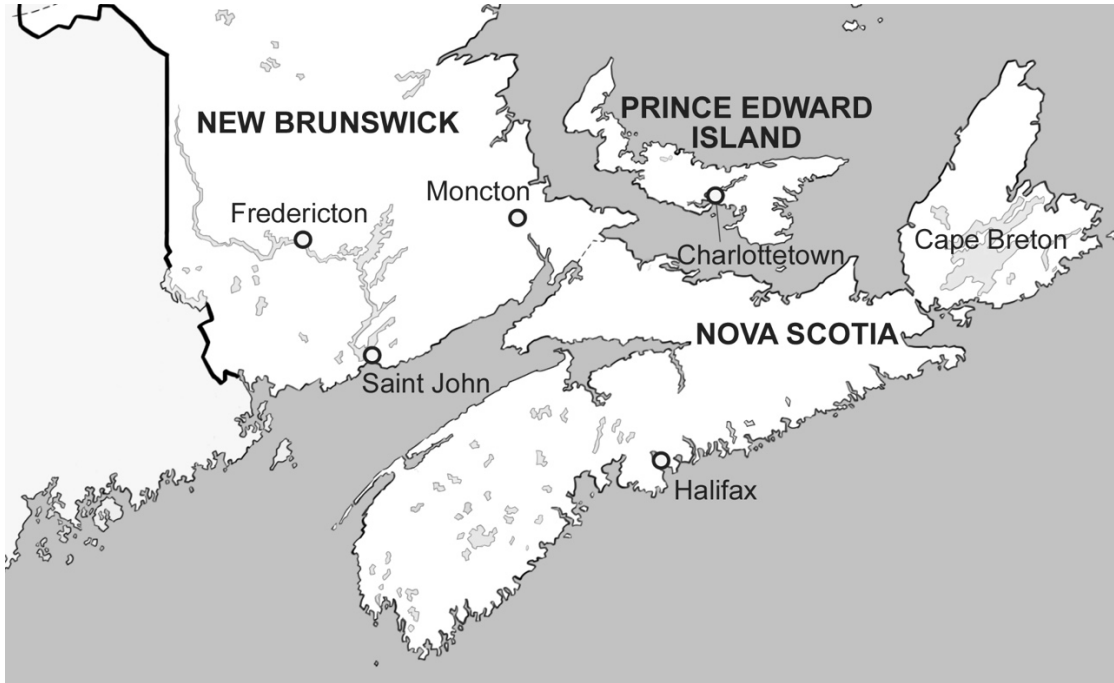
Mathology 4 Table of Contents

N1 Number Relationships and Place Value
1. Representing Numbers to 10 000
2. Composing and Decomposing Numbers
3. Estimating and Rounding 4-Digit Numbers
4. Comparing and Ordering Numbers
5. How Big is 10 000?
6. Consolidation

**Number
Readiness Tasks**

Number Relationships

1. a) Look at the map and the table of distances.
What is the distance between each pair of towns?



	Halifax, NS	Cape Breton, NS	Charlottetown, PEI	Moncton, NB	Saint John, NB
Halifax, NS	•	388 km	248 km	260 km	414 km
Charlottetown, PEI	248 km	334 km	•	165 km	317 km
Fredericton, NB	439 km	627 km	343 km	175 km	109 km

- Charlottetown and Cape Breton
334 km
- Fredericton and Cape Breton
627 km
- Halifax and Moncton
260 km

**Number
Readiness Tasks**

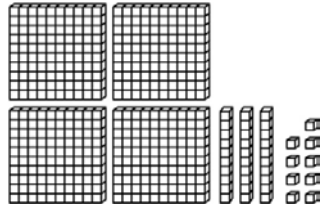
Number Relationships (cont'd)

b) Order the distances in part a) from least to greatest.

260 km, 334 km, 627 km

2. Represent the distance between Halifax and Fredericton in two ways. Use base ten blocks for one way.

Sample answers:
439 is 4 hundreds, 3 tens, 9 ones;
 $400 + 30 + 9$;
four hundred thirty-nine



3. Jose lives in Charlottetown.
Last year his family went to Halifax in the summer and Fredericton in the fall. Which trip was farther?
Use place value to explain how you know.

Halifax: 248 km; Fredericton: 343 km; the trip to Fredericton is farther because it has 3 in the hundreds place, and the trip to Halifax has 2 in the hundreds place.

4. Gabrielle lives in Fredericton.
Plan a road trip for her that will have a distance of about 1000 km round trip.

Sample answer:
Fredericton to Saint John is 109 km (about 100 km);
Saint John to Halifax is 414 km (about 400 km);
this is about 500 km, which will be 1000 km round trip

Number Relationships (cont'd)

Readiness Question	Moving from Grade 3	Getting Ready for Grade 4	Math Makes Sense 3 Teacher Guide (Ontario)	Math Makes Sense 3 ProGuide (all other provinces)
<p>1. a) Look at the map and the table of distances. What is the distance between each pair of towns?</p> <ul style="list-style-type: none"> • Charlottetown and Cape Breton • Fredericton and Cape Breton • Halifax and Moncton <p>b) Order the distances in part a) from least to greatest.</p>	Comparing and ordering numbers to 1000.	Comparing and ordering numbers to 10 000.	Unit 1 Lesson 10 Page 33	Unit 2 Lesson 5 Page 16
2. Represent the distance between Halifax and Fredericton in two ways. Use base ten blocks for one way.	Representing numbers to 1000.	Representing numbers to 10 000.	Unit 1 Lesson 8 Page 26	Unit 2 Lesson 2 Page 8 Lesson 3 Page 11
3. Jose lives in Charlottetown. Last year his family went to Halifax in the summer and Fredericton in the fall. Which trip was farther? Use place value to explain how you know.	Comparing and ordering numbers to 1000.	Comparing and ordering numbers to 10 000. Estimating sums and differences.	Unit 1 Lesson 10 Page 33	Unit 2 Lesson 5 Page 16
4. Gabrielle lives in Fredericton. Plan a road trip for her that will have a distance of about 1000 km round trip.	Composing and decomposing numbers to 1000.	Composing and decomposing numbers to 10 000.	Unit 1 Lesson 13 Page 42	Unit 2 Lesson 11 How Much Is 1000?