

Mathology 5 Table of Contents

N1 Number Relationships and Place Value
1. Place Value - Representing Numbers to 100 000
2. Estimating and Comparing Numbers
3. Solving Problems to 100 000
4. Equivalent Ratios and Rates (Ontario only)
5. Consolidation

The following Readiness Tasks review the Grade 5 content above for you to assess whether your students are prepared for the Grade 6 content below.

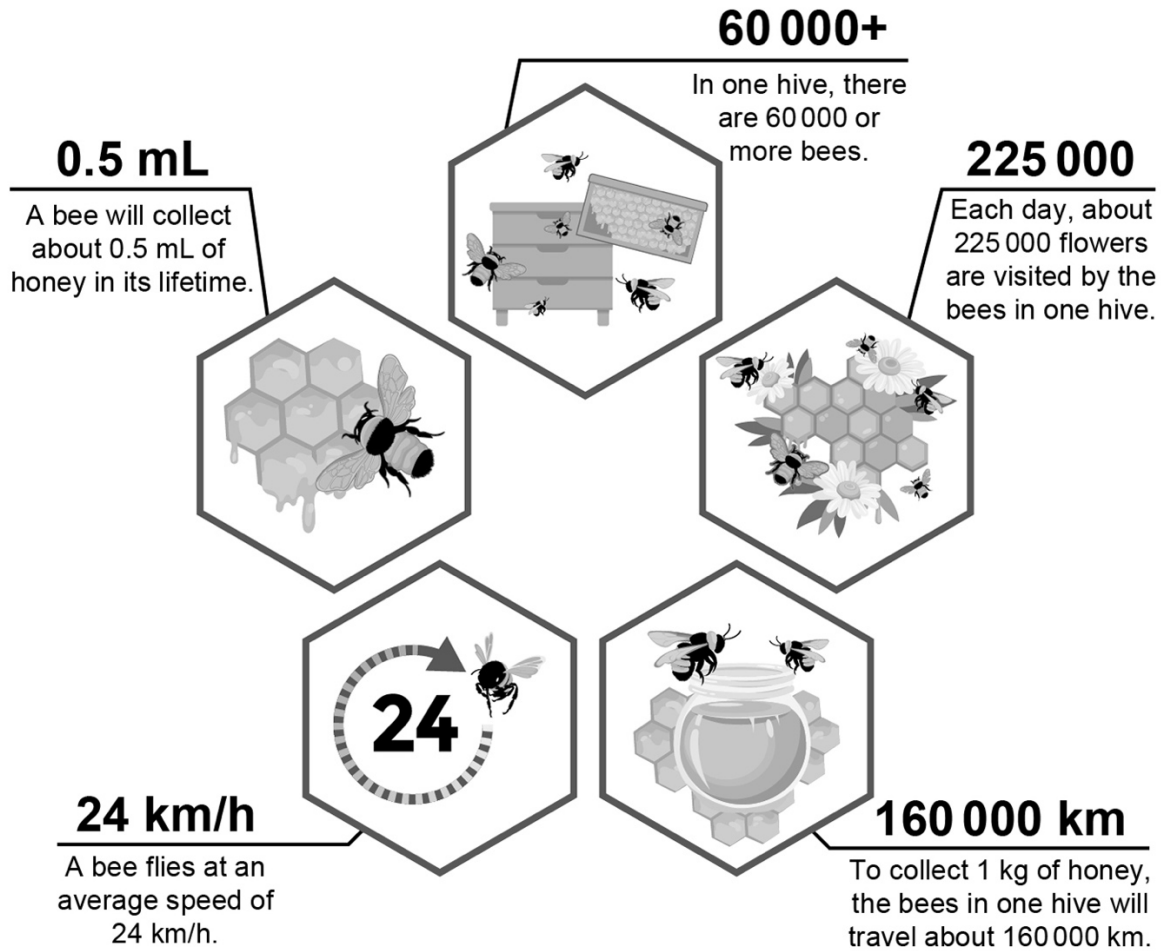
Mathology 6 Table of Contents

N1 Number Relationships and Place Value
1. Understanding Place Value
2. Standard Form, Expanded Form
3. Factors and Multiples
4. Prime and Composite Numbers
5. Unit Rates (Ontario only)
6. Representing Ratios
7. Equivalent Ratios
8. Consolidation

**Number
Readiness Tasks**

Number Relationships

Use these facts about bees to answer the questions below.



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

b. 60

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.

$$225\ 000 + 225\ 000 + 225\ 000 + 225\ 000 = 900\ 000$$

About 4 hives would be needed.

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

Show your work.

a) In 2 h, a bee can fly: $24\ \text{km} \times 2 = 48\ \text{km}$

b) In 12 h, a bee can fly: $24\ \text{km} \times 12 = 288\ \text{km}$

c) Difference is: $288\ \text{km} - 48\ \text{km} = 240\ \text{km}$

Number Relationships (cont'd)

Readiness Question	Moving from Grade 5	Getting Ready for Grade 6	Math Makes Sense 5 Teacher Guide (Ontario)	Math Makes Sense 5 ProGuide (all other provinces)
<p>1. How many base-ten thousands cubes would be needed to represent 60 000?</p> <p>a. 6 b. 60 c. 600 d. 6000</p>	Representing and describing numbers to 100 000.	Understanding place value for numbers greater than 1 000 000.	Unit 2 Lesson 1 Page 4	Unit 2 Lesson 1 Page 4
<p>2. How many hives would be needed for bees to visit about 1 000 000 flowers in one day? Show your work.</p>	Using estimation to solve problems.	Solving problems involving whole numbers.	Unit 2 Lesson 13 Page 44	Unit 2 Lesson 4 Page 16 Lesson 5 Page 21
<p>3. A bee can fly between 2 h and 12 h in a day. A bee flies 24 km in 1 h.</p> <p>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.</p>	Using mental math to multiply. Multiplying 2-digit numbers.	Understanding unit rates and ratios.	Unit 2 Lesson 9 Page 31 Lesson 10 Page 34	Unit 2 Lesson 6 Page 25 Unit 3 Lesson 6 Page 24