

# Math 9 LG 1

## RATIONAL NUMBERS

### INTRODUCTION:

When you think of your favourite game... Check out pages 42 & 43.

### LEARNING GUIDE EXPECTATIONS:

On the completion of this learning guide you will be able to:

- 1) compare and order Rational Numbers.
- 2) problem solve with Rational Numbers in decimal form.
- 3) problem solve with Rational Numbers in fraction form

### EVALUATION:




You are ready to progress to the next learning guide when you can demonstrate your understanding of the above expectations. Please refer to your Mathematics 9 Marks Record Sheet to determine the assessment.

### RESOURCES NEEDED:

 Math Links 9 Text

### LEARNING ACTIVITIES:

#### **Expectation #1: Comparing and ordering Rational Numbers.**

1.  [Watch and take notes on instructional video on Comparing & Ordering Rational Numbers](#)
2.  In your math journal, complete the journal entry for LG1 Expectation 1 after you read pages 46 & 47, the purple boxes on p. 47, and the Key Ideas on p. 50.
3.  In the Math Links 9 text, work through Example 1 on page 48. Now complete #4, 7, 9 on page 51.
4. In the Math Links 9 text, work through Example 2 on page 49. Now complete #11 and 13 on page 52.
5. Work through Example 3 on page 50 and also read the Key Ideas on page 50. Now complete #15, 17, 18, 19, 21, 22, 23, 25, 27



### **Expectation #2: Problem solving with Rational Numbers in Decimal Form.**



1. [Watch and take notes on instructional video on Adding & Subtracting Integers](#)



2. In the Math Links 9 text, work through Example 1 on page 56. Now complete #4, 5 on page 60.



3. [Watch and take notes on instructional video on Multiplying & Dividing Integers](#)

4. In the Math Links 9 text, work through Example 2 on page 57. Now complete #6, 7 on page 60.

5. In the Math Links 9 text, work through Example 3 on page 58. Now complete #8, 10, 11 on page 60.



6. Read Key Ideas on page 59. In your math journal, complete the journal entry for LG1 Expectation 2.



7. In the Math Links 9 text, complete #12, 16, 17, 24, 26, 28 on pages 60-62.



### **Expectation #3: Problem Solving with Rational Numbers in Fraction Form.**



1. [Watch and take notes on instructional video on Adding & Subtracting Fractions](#)



2. In the Math Links 9 text, work through Example 1 on page 64. Now complete #5, 6 on page 68.



3. [Watch and take notes on instructional video on Multiplying & Dividing Fractions](#)

4. In the Math Links 9 text, work through Example 2 on page 65. Now complete #7, 8 on page 68.

5. In the Math Links 9 text, work through Example 3 on page 66. Now complete #9, 10 on page 68.



6. Read Key Ideas on page 59. In your math journal, complete the journal entry for LG1 Expectation 3.



7. In the Math Links 9 text, complete #12, 13, 14, 18, 20, 23, 25, 27 on pages 68-70.

### **REVIEW AND CHALLENGE**



1. In the Math Links 9 text, complete Chapter 2 Review pages 82-83 #1, 2, 4, 6, 9, 10, 13, 14, 16.