



STUDENT _____ GROUP _____

INSTRUCTOR _____ DATE _____

Math Lab Lesson #3:

Test-Taking, Studying, and Introduction to Rational Number

You took a Mid-Semester Quiz during Saturday Academy.

1. Remember back to when you were actually taking the quiz. How did you feel? What were you thinking about while taking the quiz?

2. When you hear the word “math test,” what do you think about? **Write down the first three (3) words that immediately pop into your head.**

3. While taking a test, have you ever:

a) felt nervous? Yes / No

b) felt sad? Yes / No

c) felt frustrated? Yes / No

d) had your mind “go blank”? Yes / No



Using the “How to Solve It” Decision Tree

Ex #1:

The number of inches of water in a bucket during a steady rain shower is given by the expression $\frac{2}{3}t + \frac{8}{3}$, where t is the number of hours since the shower started. If there are 6 inches of rain in the bucket, how long has it been raining for?

- A) 2 hours
- B) 8 hours
- C) 5 hours
- D) 7 hours

Grading an Exam

As you grade this exam, make sure to:

- Identify the content area of each question and write it next to each question.
- Determine which of the answers are correct and incorrect. Mark them up!
- For the answers that are incorrect, identify the mistakes that were made and correct them.

Write these corrections down on the paper itself, as if you are giving written comments.



★ Video#1: How to Create and Use Flashcards

★ Notes:



★ Video#2: Introduction to Rational Number

★ **Example #1:** Theodore is a baby. He grows $\frac{1}{3}$ inch each month. If this rate of growth continues, then how many inches will he grow in 2 years?

★ **Example #2:** A cake recipe uses $\frac{3}{2}$ cups of sugar. The cake is divided into 6 pieces. How many cups of sugar are in 1 pieces of this cake?



★ **Example #3: Proportional Reasoning** While walking in Prospect Park one day, you notice that you cast a 20-foot long shadow on the ground, even though you are only 5 feet tall. As you walk past a shrub, you measure that its shadow is 32 feet long. How tall is the shrub?