

Chapters 4 and 5 Number Theory and Fractions
Lessons 4.2, 4.3 and Chapter 5 Lesson 1

* means share with students

Grade Level Indicators:

Find and use prime factorization of composite numbers. For example:

- a. Use the prime factorization to recognize the greatest common factor (GCF)
- b. Use the prime factorization to recognize the least common multiple (LCM)
- c. Apply the prime factorization to solve problems and explain solutions.

***Student Friendly Language: I can use a factor tree to find the greatest common factor and the least common multiple of 2 or 3 numbers in order to solve real life problems.**

***Essential Question:**

Why is it important to follow the proper sequence when solving a math problem?

Big Idea:

The different math formulas, algorithms, strategies and skills help to determine answers.

Assessments for Chapters 4 and 5

Formative Assessment:

- Ready to go on problems-2 for each concept
- The students will complete a self-assessment for each problem.

Summative Assessment:

- Quest

Chapter 6 Collecting and Displaying Data

Grade Level Indicators (Power Indicators in bold):

- Read, construct and interpret line graphs, circle graphs and histograms. Lessons 6.5, 6.7
- **Select, create and use graphical representations that are appropriate for the type of data collected. Lessons 6.4 - 6.10**
- ***I can build many different types of graphs.**
- Compare representations of the same data in different types of graphs, such as a bar graph and circle graph. Lesson 6.10
- Understand the different information provided by measures of center (mean, mode and median) and measures of spread (range). Lesson 6.2
- Describe the frequency distribution of a set of data, as shown in a histogram or frequency table, by general appearance or shape; e.g., number of modes, middle of data, level of symmetry, outliers. Lessons 6.3 and 6.5
- **Make logical inferences from statistical data. Lessons 6.8 and 6.10**
- ***I can make predictions using graphs and tables.**

Essential Question:

*Why is it important to be able to choose and create the appropriate display of data?

Big Idea:

Knowing how to read and interpret graphs will help us choose and create the appropriate display of data.

Assessments for Chapter 6

Formative Assessment:

- Mean, mode and median
- Interpreting graphs
- Selecting which type of graph to use
- Teacher Pg. 716
- Pg. 345 question 16

Follow-up Techniques:

- Re-teach page in the book
- Peer tutoring
- Differentiated homework
- Reading strategies pages
- Interactive problems
- Provide the students with feedback
- Use models of correct and incorrect problems

Summative Assessment:

- Quiz A
- Chapter 6 Test

Instructional Activities:

- Stations
 - Mini lesson to review
 - Students work in small groups to complete a task
 - Use student work samples to model with the entire class